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SUGAR REPORTS

U. S. DEPARTMENT OF AGRICULTURE • PRODUCTION AND MARKETING ADMINISTRATION • SUGAR BRANCH

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No. 4

Approved by the Outlook and Situation Board

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Sugar Prices

The current wholesale price of refined cane sugar, New York basis, is \$8.10 per 100 pounds, compared with an average of \$7.76 for the calendar year 1948. A price of \$7.75 was established in late June 1948 and remained in effect until the end of the year. The price was increased to \$8.00 effective January 4, 1949. During mid-March the quoted price of cane sugar was reduced to \$7.85, but most refiners increased their price to \$8.10 effective March 30, and a few others increased their price to \$8.00. Beet sugar is currently quoted at a basis price of \$8.00 per 100 pounds on the Pacific Coast and \$7.95 in other areas. The discount on beet sugar in areas other than the Pacific Coast has narrowed from 20 cents per 100 pounds to 15 cents.

The above prices are subject to the customary 2 percent cash discount. Moreover, because of the heavy contracting prior to the price advances, a major portion of the sugar delivered during the first quarter of the year was sold on the basis of a refined cane sugar price of \$7.75. Trade reports indicate that sales during the recent contracting period will probably cover the bulk of deliveries during April and May.

Price quotations for spot raw sugar have fluctuated considerably in recent weeks. Raw sugar prices generally have shown considerable firmness in view of this being the time of harvesting in both Puerto Rico and Cuba and the season of peak selling pressure. However, raw prices have declined sharply at times when so-called distressed cargoes for immediate or near-by arrival were offered. During most of the year to date the New York duty paid price of raw sugar has varied from \$5.60 to \$5.70 per 100 pounds, with occasional breaks carrying the price as low as \$5.55.

Sugar deliveries by primary distributors were heavy during the first quarter totalling approximately 1,691,000 short tons, raw value, about 400,000 tons higher than during the corresponding period of 1948. Deliveries so far in 1949 are in marked contrast with the trend of deliveries last year when they were abnormally low in the early months, then rose to abnormally high levels during the three summer months.

(continued)

Table 1

SUGAR PRICES, MONTHLY AVERAGES
OCTOBER 1947 - MARCH 1949
(Cents per Pound)

Month and Year	RAW SUGAR		REFINED SUGAR	
	Cuban, duty paid New York	Cuban (World) f.a.s.s. Cuba	Wholesale New York with tax 1/	Retail, large cities
	(1)	(2)	(3)	(4)
<u>1947</u>				
Oct.	6.32 2/ 5/	4.9625 3/	8.40 5/	9.8
Nov.	6.32 2/	4.9625 3/	8.40	9.9
Dec.	6.32 2/	4.9625 3/	8.40	9.9
<u>1948</u>				
Jan.	5.83 2/	3.96 4/	8.21	9.9
Feb.	5.51 2/	4.24	7.82	9.5
Mar.	5.45 2/	4.26	7.75	9.4
Apr.	5.35	4.43	7.75	9.4
May	5.14	4.27	7.60	9.3
June	5.35	4.06	7.51	9.2
July	5.69	4.09	7.75	9.2
Aug.	5.78	4.41	7.75	9.3
Sept.	5.66	4.39	7.75	9.3
Oct.	5.65	4.32	7.75	9.3
Nov.	5.68	4.27	7.75	9.4
Dec.	5.66	4.03	7.75	9.3
Year	5.56	4.23	7.76	9.4
<u>1949</u>				
Jan.	5.69	4.00	7.99	9.4
Feb.	5.65	3.95	8.00	9.4
Mar.	5.68 p	4.17 p	7.96 p	na

Sources:

Columns 1 and 2. N. Y. Coffee & Sugar Exchange except for Oct. 1947 - March 1948.

Column 3. Lamborn Sugar Market Report

Column 4. Bureau of Labor Statistics, Dept. of Labor

1/ Subject to 2 percent discount.

2/ CCC Contract price to refiners on day of melt; for March price is average of CCC contract price Mar. 1-16 and market price for balance of month.

3/ Final price under CCC Cuban Purchase & Sales Contract.

4/ Trading began Jan. 15; average is for Jan. 15-31.

5/ Ceiling Prices.

na Not available.

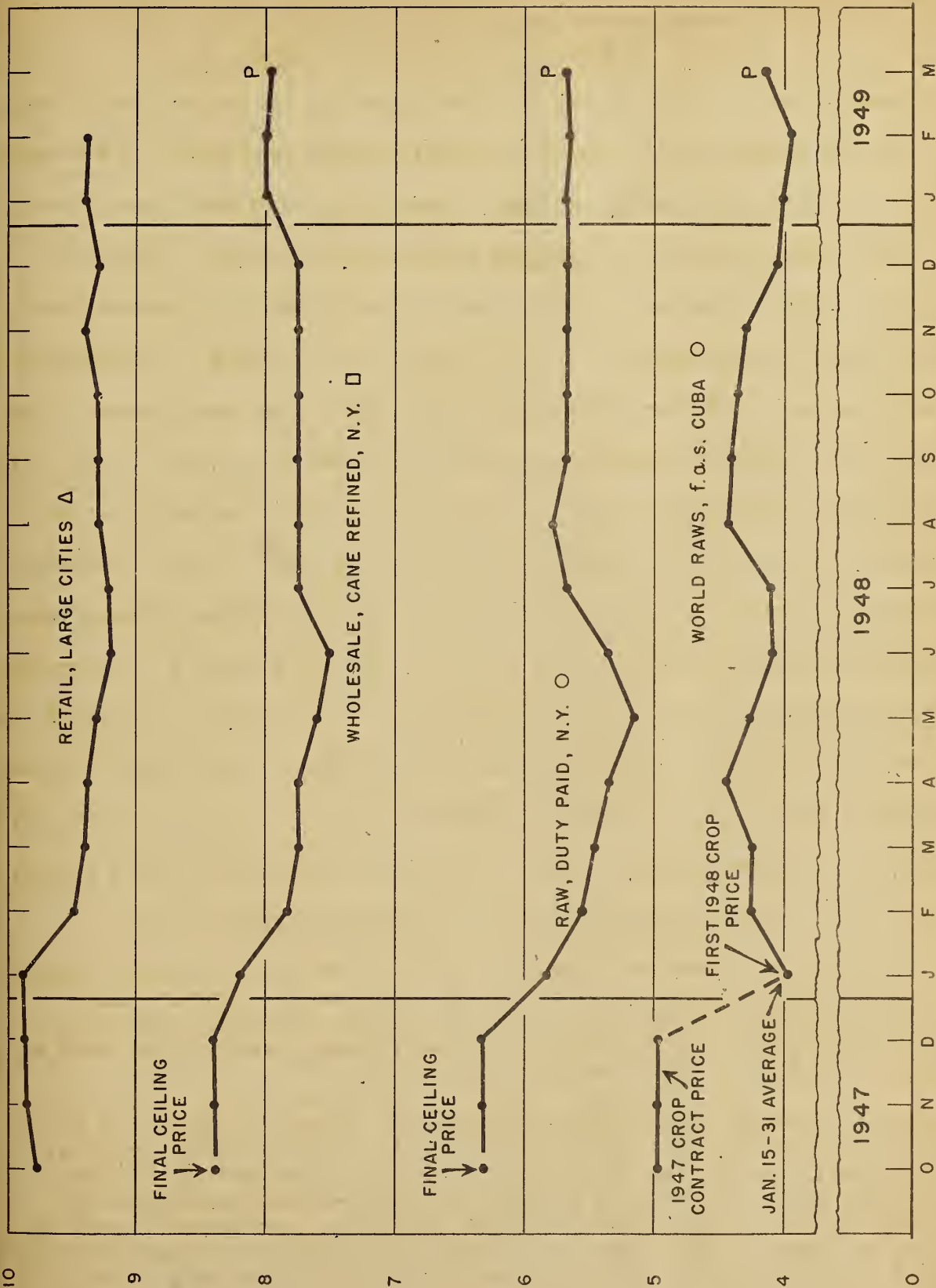
p Preliminary.

SUGAR REPORTS FIGURE I

APRIL 1949

SUGAR PRICES, MONTHLY AVERAGES, OCT. 1947 - MARCH 1949

CENTS
PER LB.



Δ -B.L.S. $\circ$ -N.Y. COFFEE AND SUGAR EXCHANGE $\square$ -LAMBORN SUGAR MARKET REPORT P-PRELIMINARY
 U. S. DEPARTMENT OF AGRICULTURE PRODUCTION AND MARKETING ADMINISTRATION

SUGAR DISTRIBUTION BY PRIMARY DISTRIBUTORS
IN 1948 AND JANUARY - MARCH 1949

Distribution of sugar by primary distributors in the United States during 1948 departed substantially from the seasonal pattern established on the basis of the years 1935, 1936, 1938, and 1940. Total primary distribution in the U. S. during 1948 amounted to 7,342,923 short tons, raw value. Figure II shows the monthly variations in the quantity actually distributed each month and the quantity which would have been distributed each month had distribution followed the so-called "normal" pattern of the four years above named. During the first five months of 1948, distribution was below the seasonal level. Distribution then spurted well above the normal level in the period June, July, and August. The January-May 1948 period has been described as the "hand-to-mouth" buying period. Prices of refined cane sugar at New York dropped from \$8.40 per hundredweight in the early part of January, to \$8.00 on January 19, to \$7.75 on February 9 and reached a low for the year of \$7.50 from May 13 through June 29. Prior to the effective date of a 25 cent increase per hundred pounds announced in late June, a substantial volume of contract business was done by refiners and beet processors. Deliveries on these contracts probably accounted for a large part of the heavy distribution during July and August.

Departing again from the seasonal pattern, distribution in 1948 reached a post-summer low in October. Distribution rose from the October volume of about 532,000 short tons to 572,000 tons in November and dropped off to 556,000 tons in December, whereas on a seasonal basis, distribution would be expected to fall in November and rise in December.

An unseasonal movement occurred in 1949 when February volume fell 12 percent below January. February, on a seasonal basis, generally produces a volume of distribution from 10 to 15 percent higher than that of January. Distribution in the first month of 1949, however, was unseasonably heavy, causing February's volume to compare less favorably. A substantial part of the January volume probably can be attributed to deliveries on contracts made before the price advance to \$8.00 per hundredweight which became effective at the first of the year.

March distribution, on the basis of preliminary reports indicates a volume of about 630,000 short tons, raw value, making an estimated total for the first quarter of 1949 of 1,691,000 tons.

(continued)

FIGURE II

SUGAR DISTRIBUTION BY MONTHS

000
SHORT TONS,
RAW VALUE

1948 ACTUAL AND ADJUSTED TO "NORMAL" SEASONAL BASIS
AND

000
SHORT TONS,
RAW VALUE

JANUARY - MARCH, 1949 ACTUAL

1000

1000

900

900

800

800

700

700

600

600

500

500

400

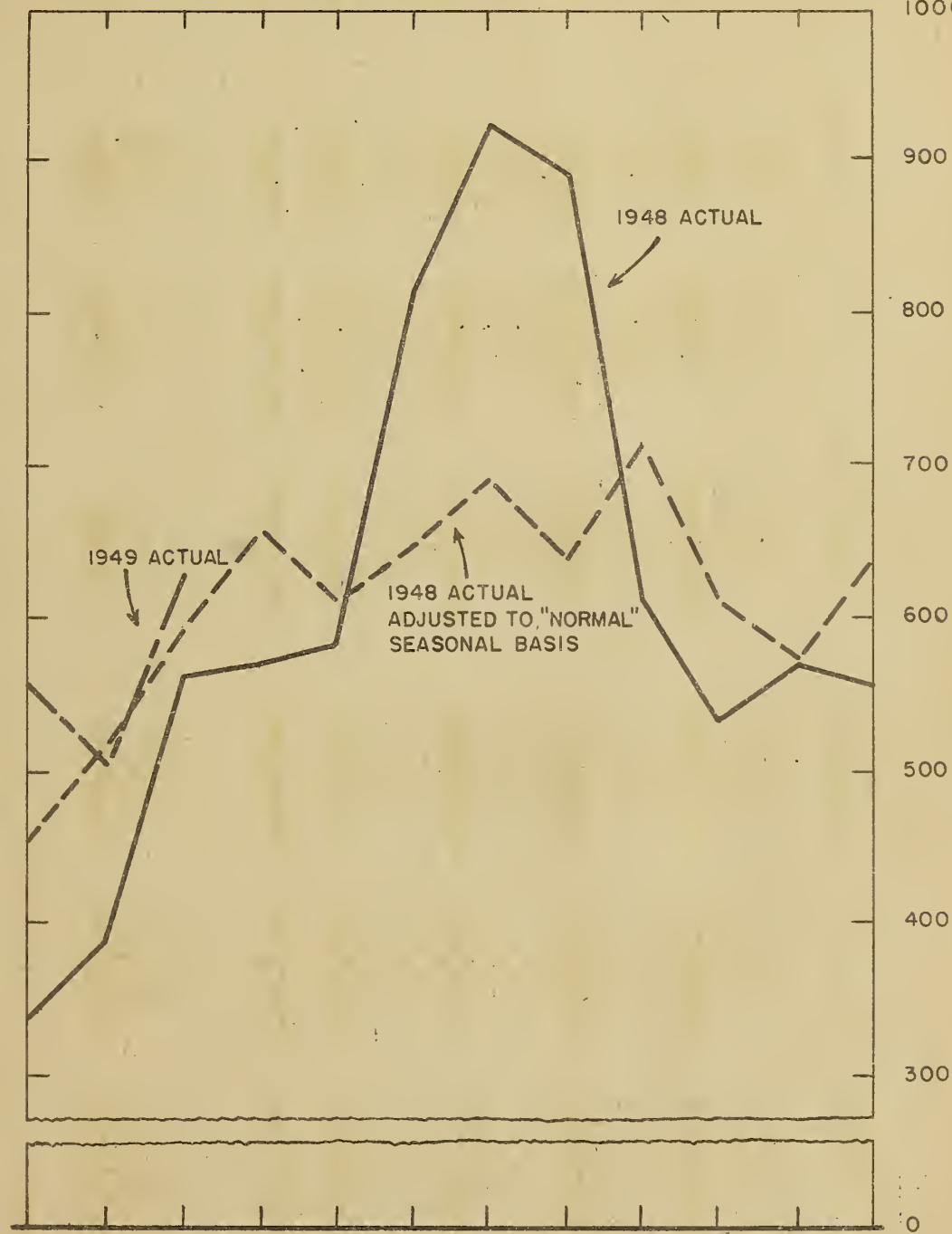
400

300

300

0

0



DISTRIBUTION IN 1948 DID NOT FOLLOW THE NORMAL SEASONAL PATTERN. DISTRIBUTION WAS VERY LOW IN JANUARY 1948 AND CONTINUED BELOW NORMAL THROUGH MAY. IT ROSE TO ABNORMALLY HIGH LEVELS IN JUNE, JULY AND AUGUST, FELL SHARPLY IN SEPTEMBER AND REMAINED RATHER LOW FOR THE REMAINDER OF 1948. DISTRIBUTION WAS FAR ABOVE NORMAL IN JANUARY 1949 AND WILL APPARENTLY BE ABOVE NORMAL FOR THE FIRST QUARTER AS A WHOLE.

Table 2

DISTRIBUTION OF SUGAR BY PRIMARY DISTRIBUTORS IN THE UNITED STATES
CALENDAR YEAR 1948 (REVISED) AND JANUARY-APRIL 1949
(short tons, raw value)

	Refiners		Beet Sugar Processors	Importers (Direct-Consumption)	Mainland Cane (Direct-Consumption)	Total	For Export	For U.S. Consumption
	Raws	Refined						
1948								
Jan	259	270,271	52,720	11,741	9,910	344,901	5,429	339,472
Feb	367	310,409	65,025	13,509	9,392	398,702	7,363	391,339
Mar	461	426,802	82,336	46,240	11,319	567,158	7,306	559,852
1st Qtr.	1,087	1,007,482	200,081	71,490	30,621	1,310,761	20,093	1,290,663
Apr	61	402,280	99,512	62,242	9,625	573,720	2,981	570,739
May	59	401,272	124,417	60,910	4,059	590,717	4,714	586,003
Jun	101	497,071	240,288	74,890	2,747	815,097	3,981	811,116
2nd Qtr.	221	1,300,623	464,217	198,042	16,431	1,979,534	11,675	1,968,858
Jul	138	581,433	272,861	68,844	3,058	926,334	4,281	922,053
Aug	211	572,258	277,951	48,626	2,260	901,306	8,236	893,070
Sep	286	483,214	96,800	35,514	2,258	618,072	8,774	609,298
3rd Qtr.	635	1,636,905	647,612	152,984	7,576	2,445,712	21,291	2,424,421
Oct	166	407,550	94,517	37,747	3,235	543,215	11,291	531,924
Nov	24	433,822	92,727	31,330	19,019	576,922	5,304	571,618
Dec	210	365,435	157,509	20,100	20,825	564,079	7,640	556,439
4th Qtr.	400	1,205,807	344,753	89,177	43,079	1,684,216	24,235	1,659,981
Year	2,343	5,151,817	1,656,663	511,693	97,707	7,420,223	77,300	7,342,923
1949								
Jan	164	427,884	101,617	13,881	19,692	563,238	4,848	558,390
Feb	257	355,496	105,991	29,883	12,995	504,622	1,400	503,222
Mar	na	447,092	120,991	61,845	4,953	634,881	5,487	629,394
1st Qtr	421	1,230,472	328,599	105,609	37,640	1,702,741	11,735	1,691,006

1/ Includes deliveries for U.S. military forces at home and abroad.

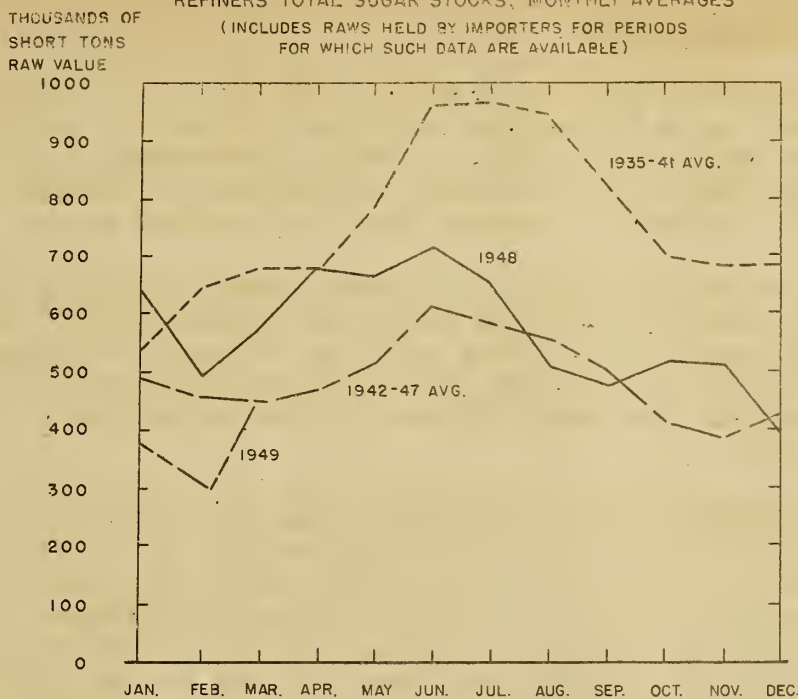
2/ Preliminary.

3/ January-February only.

na Not available

FIGURE III

REFINERS' TOTAL SUGAR STOCKS, MONTHLY AVERAGES
(INCLUDES RAWS HELD BY IMPORTERS FOR PERIODS
FOR WHICH SUCH DATA ARE AVAILABLE)



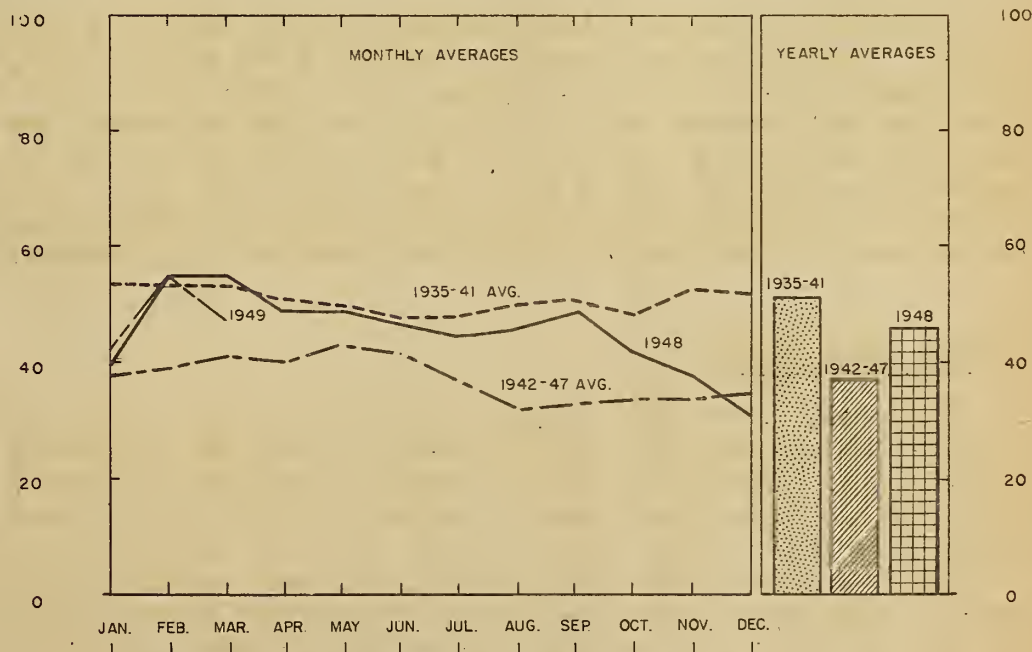
REFINERS' TOTAL SUGAR STOCKS IN 1948 WERE BELOW PREWAR LEVELS BUT ABOVE THOSE CARRIED IN 1942-47. THE SEASONAL PATTERN IN 1948 DIFFERED FROM THOSE OF THE PREWAR AND SUGAR-CONTROL PERIODS BUT TENDED TO RESEMBLE THE PREWAR PATTERN MORE THAN THAT OF 1942-47.

FIGURE IV

PERCENT REFINED
OF TOTAL STOCKS

PERCENT REFINED SUGAR OF REFINERS' TOTAL SUGAR STOCKS

PERCENT REFINED
OF TOTAL STOCKS



REFINERS' CARRIED A SMALLER PERCENTAGE OF THEIR TOTAL STOCKS AS REFINED SUGAR IN 1948 THAN THEY DID IN THE YEARS 1942-47, WHEN SUGAR SUPPLIES WERE SHORT AND RATIONING AND PRICE CONTROL WERE IN EFFECT. PRIOR TO WORLD WAR 2 A GREATER PERCENTAGE OF TOTAL STOCKS WAS CARRIED AS REFINED SUGAR THAN WAS THE CASE IN EITHER 1948 OR IN THE 1942-47 PERIOD.

REFINERS' TOTAL SUGAR STOCKS:

The level of total sugar stocks of refiners during 1948 was well below that of the pre-war years 1937-41 but above the average for the rationing and price control period of 1942-47. A smaller proportion of total stocks was carried in the form of refined sugar in 1948 than in 1935-41 but, again, was higher than the proportion carried during the control period.

The pre-war seasonal pattern of refiners' stocks indicates a building-up of stocks during the January-May period to a peak of about 960,000 short tons on June 1. Stocks tended to remain high until the beginning of August, then dropped fairly sharply to around 700,000 short tons on October 1, at which level they remained until the low point of about 540,000 short tons was recorded at the end of the year.

During the control period of 1942-47, refiners' total stocks reflected the lower level of sugar supplies and the faster movement of available sugar into distribution channels. Average monthly stocks during this period were about 490,000 short tons, raw value, in contrast with the 760,000-ton level of the pre-war period. Fluctuations in the monthly average stocks for the period varied within a range of 232,000 short tons, whereas for the 1935-41 period the seasonal high point was 420,000 short tons above the low point. There was a tendency in the control period for stocks to be built up during November and December. This reflected the need for stocks to cover industrial and institutional users' and consumers' new ration allotments which were issued in January. Moreover, it indicated the greater concern during the sugar-shortage years for adequate year-end stocks to provide supplies for the period before Cuban new-crop sugar arrived.

Refiners' maintained stocks during 1948 at a higher level than that of the control years but which, except for January 1 and April 1, was well below the levels prevailing in 1935-41. Again, the seasonal high occurred on June 1 and stocks by the year-end dropped to the lowest for any month, corresponding somewhat with the pre-war pattern. The 1948 seasonal stock pattern appears to have followed the pre-war pattern more closely than that of the control years but as examination of Figure III will disclose there were substantial digressions from the pre-war pattern, both in timing and contra-seasonal movement.

Refined Sugar Stocks

Refiners, during 1948, carried a smaller part of their stocks in the form of refined sugar than they did in pre-war years, but maintained higher proportions of refined than during the control period. Except for February 1 and March 1, 1948, refined sugar represented a smaller portion of total stocks each month during 1948 than for the same months in 1935-41. Fluctuations in the proportions of refined sugar stocks to total stocks were greater in 1948, than in the two other periods ranging from 55 percent on February 1 and March 1 to 31 percent on December 1. For the pre-war period, refined stocks varied little percentage-wise, representing generally about a half of total stocks. During the control period, refined stocks in relation to total stocks, varied and were below the pre-war percentage, representing an average of about two-fifths of total stocks.

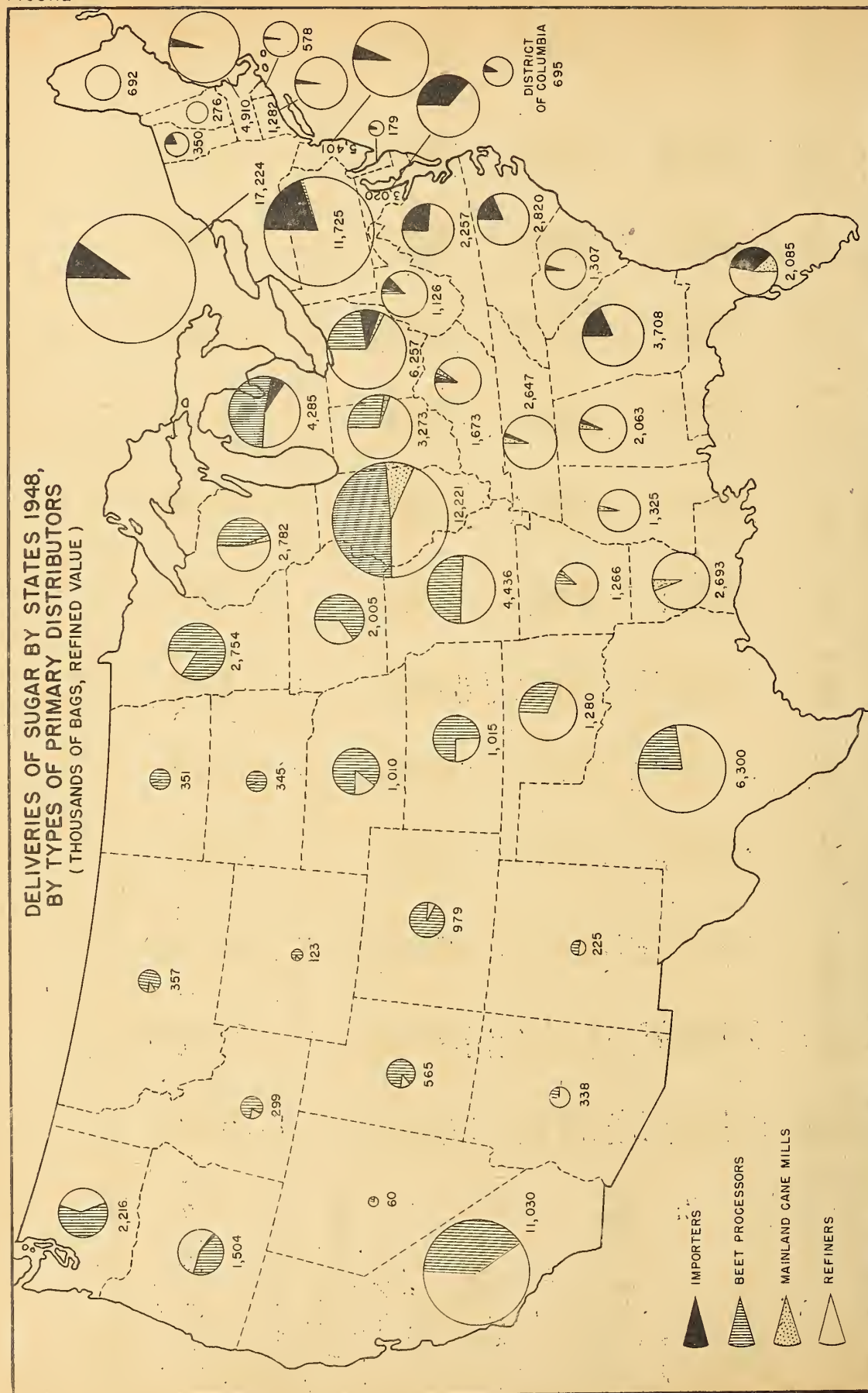
(continued)

Table 3 REFINERS' SUGAR STOCKS - MONTHLY AVERAGES 1935-41, 1942-47, AND MONTHLY JAN 1948-MAR 1949 1/
(Stocks at beginning of month in thousands of short tons)

	Jan 1	Feb 1	Mar 1	Apr 1	May 1	Jun 1	Jul 1	Aug 1	Sep 1	Oct 1	Nov 1	Dec 1	Average
<u>2/</u>													
Total Stocks													
(raw and refined)													
1935-41 avg.	544	643	679	676	795	961	964	942	824	700	682	682	758
1942-47 avg.	490	458	449	471	515	616	584	559	503	415	384	428	489
1948	635	499	577	680	667	715	651	510	469	515	507	386	568
1949	371	308	440										
Refined Sugar Stocks													
1935-41 avg.	288	339	360	346	395	464	463	468	421	345	363	353	384
1942-47 avg.	184	177	185	190	221	260	218	180	164	142	131	149	183
1948	247	275	317	333	330	337	292	234	230	218	193	120	261
1949	154	170	214										
Raw Sugar Stocks													
1935-41 avg.	256	304	319	330	400	497	501	474	403	355	319	329	374
1942-47 avg.	306	281	264	281	294	356	366	379	339	273	253	279	306
1948	388	224	260	347	337	378	359	276	239	297	314	266	307
1949	217	138	226										
Refined Sugar Stocks													
as percentage													
of total sugar													
stocks													
1935-41 avg.	53	53	53	51	50	48	48	50	51	49	53	52	51
1942-47 avg.	38	39	41	40	43	42	37	32	33	34	34	35	37
1948	39	55	55	49	49	47	45	46	49	42	38	31	46
1949	42	55	49										

1/ Includes raws held by importers for periods for which such data are available.

2/ Excludes sugar in Customs' custody and in bond for re-export.



SUGAR DELIVERIES BY STATES

There were significant changes in the geographical distribution of sugar among the various types of distributors in some states during the 2 two-year periods 1940-41 and 1947-48. Refiners increased appreciably their proportion of the total deliveries to the States of California, Oregon, and Washington during 1947-48 as compared to the 1940-41 period. Beet processors increased their share of deliveries in Washington but showed a decrease in both Oregon and California. There were no importations of Philippine refined sugar during the years 1947 and 1948 and as a consequence the importers' prewar portion of the market in the West Coast States, which averaged about 9 percent, was absorbed by the refiners and beet processors.

The most apparent change in the geographic pattern of distribution was in the Southwest area. During 1947-48 refiners' deliveries in the States of Oklahoma, Arizona, Texas, New Mexico, and Arkansas showed a greatly increased percentage as compared to the 1940-41 period. In the main, the decrease occurred in the deliveries by beet processors in this area. However, importers' deliveries also declined in Arizona where before the war they distributed about 9 percent of the sugar in that State. Under the existing demand conditions and with reduced beet sugar production it appears that the beet processors found it more profitable in 1947-48 to increase deliveries in the beet growing areas and curtail deliveries to such fringe territories as the Southwest States where increased shipping costs would have lowered their net returns.

In the Rocky Mountain district, which is the main sugar beet producing area, beet processors increased their percentage of deliveries, especially in Nevada and Wyoming. Within most of these States, almost 90 percent of the sugar deliveries were made by beet processors during 1947-48. (continued)

A comparison of deliveries into the central states during 1947-48 with those of 1940-41 shows that the refiners had a lower percentage of total deliveries in both Illinois and Minnesota. The 12-percent decrease in Illinois amounted to a substantial quantity of sugar since that State is the second largest in receipts of sugar from primary distributors. Mainland cane mills increased their distribution in Illinois by almost 6 percent of the total for the State while beet processors and importers shared the balance of the increase. Beet processors decreased their percentage of deliveries in Indiana and Kansas and importers showed an increased proportion of deliveries in both Ohio and Michigan.

In the Southern States during 1947-48 cane sugar refiners made material gains in South Carolina, Alabama, Louisiana, and Florida, but showed a decrease in Georgia. The importers' portion of the distribution decreased substantially in the States in which refiners made gains but increased in Georgia. Mainland cane mills increased their percentage of distribution in Alabama, but their share of the market decreased in the State of Louisiana.

Importers of direct-consumption sugars increased considerably their percentage of total deliveries in the Middle Atlantic States of West Virginia and Maryland. The largest decrease in this area was in West Virginia with respect to refiners' deliveries.

There were only minor changes in the pattern of distribution in the Northeastern States with the exceptions of New York and Vermont. Since New York is the leading State in receipts of sugar, the shift of almost 9 percent to refiners amounts to a substantial volume of sugar. In the main, the refiners' gain in New York was at the expense of importers. However, importers did increase their proportion of deliveries into Vermont.

Table 4 shows the percentage relationship of deliveries of the various types of distributors in certain States during 1940-41 and 1947-48. For the purposes of Table 4, the percentage distribution of each type of distributor within a state for the years 1940-41 and for 1947-48 was combined and simple averages for the two periods are shown. This table shows only the states in which the following percentage-point changes occurred between the two periods:

For refiners over 8 percentage points

For beet sugar processors
and importers over 5 percentage points

For mainland cane mills over 3 percentage points

These varying measures of change were used because of the difference in volume of deliveries by the various types of distributors and since the same measure of change would not be significant for the different groups of distributors.

(continued)

Table 4 PERCENTAGE DISTRIBUTION OF SUGAR IN STATES IN WHICH SIGNIFICANT
SHIFTS BETWEEN TYPES OF PRIMARY DISTRIBUTORS OCCURRED
1940-41 AND 1947-48

Percentage of total of deliveries in the state 1/				Percentage of total of deliveries in the state 1/			
State	Avg. 1940- 1941	Avg. 1947- 1948	Increase in per- centage	State	Avg. 1940- 1941	Avg. 1947- 1948	Decrease in per- centage
CANE SUGAR REFINERS 2/							
Oklahoma	37.78	71.54	+33.76	Georgia	94.07	80.04	-14.03
So. Carolina	67.17	93.90	+26.73	West Virginia	97.57	83.85	-13.72
Arizona	54.79	77.82	+23.03	Illinois	56.99	44.91	-12.08
Texas	61.77	82.88	+21.11	Nevada	87.99	76.54	-11.45
New Mexico	28.65	48.40	+19.75	Wyoming	17.96	9.66	- 8.30
Oregon	40.09	56.76	+16.67	Minnesota	22.40	14.26	- 8.14
Arkansas	75.30	90.93	+15.63				
Alabama	80.54	93.58	+13.04				
Washington	31.36	44.10	+12.74				
Louisiana	83.46	93.88	+10.42				
California	51.44	60.88	+ 9.44				
New York	81.81	90.76	+ 8.95				
Florida	44.99	53.15	+ 8.16				
BEET PROCESSORS 3/							
Nevada	12.01	23.46	+11.45	Oklahoma	62.16	28.28	-33.88
Washington	47.39	55.89	+ 8.50	New Mexico	71.35	51.60	-19.75
Minnesota	77.12	85.48	+ 8.36	Texas	33.35	16.28	-17.07
Wyoming	82.04	90.34	+ 8.30	Arizona	36.42	22.17	-14.25
				Arkansas	19.98	5.84	-14.14
				Oregon	48.56	41.59	- 6.97
				Indiana	26.38	20.61	- 5.77
				Kansas	80.50	75.36	- 5.14
IMPORTERS 3/							
Georgia	5.92	19.93	+14.01	So. Carolina	32.78	6.10	-26.68
West Virginia	2.05	14.44	+12.39	Washington	21.25	0.01	-21.24
Vermont	8.68	14.94	+ 6.26	Alabama	18.54	1.64	-16.90
Maryland	26.40	32.54	+ 6.14	Oregon	11.35	1.63	- 9.72
Michigan	1.87	7.08	+ 5.21	Arizona	8.79	0.01	- 8.78
Ohio	4.10	9.16	+ 5.06	Florida	49.09	40.57	- 8.52
				New York	16.61	9.14	- 7.47
				Louisiana	7.69	0.67	- 7.02
				California	6.26	0.58	- 5.68
MAINLAND CANE MILLS 4/							
Illinois	1.82	7.91	+ 6.09	Louisiana	8.45	5.45	- 3.00
Alabama	0.92	4.78	+ 3.86				

- 1/ Averages shown are the simple averages of the percentages for the years shown.
 2/ States having increase or decrease of more than 8 percentage points.
 3/ States having increase or decrease of more than 5 percentage points.
 4/ States having increase or decrease of more than 3 percentage points.

TABLE 5.—PRIMARY DISTRIBUTION OF SUGAR BY STATES AND PERCENTAGE DELIVERED BY EACH GROUP OF PRIMARY DISTRIBUTORS*: CALENDAR YEAR AND BY QUARTERS, 1940, 1941, 1947 AND 1948

State	1940					1941					1947					1948				
	Percent Distributed by					Percent Distributed by					Percent Distributed by					Percent Distributed by				
	Distribution 100 lb. (bags Ref.)	Refiners	Best Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bags Ref.)	Refiners	Best Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bags Ref.)	Refiners	Best Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bags Ref.)	Refiners	Best Pro- cessors	Im- porters	Main- land Cane Mills
Ala.																				
Cal. Year	1,950,857	76.09	-	22.75	1.16	2,042,817	84.98	-	14.34	.68	1,957,540	94.90	-	.86	4.64	2,063,018	92.65	-	2.43	4.92
1st. Qtr.	315,118	77.53	-	16.82	3.65	550,874	89.66	-	10.16	.18	344,379	93.64	-	1.51	4.85	384,267	85.32	-	1.79	12.89
2nd. Qtr.	532,389	82.29	-	37.19	.92	479,880	90.06	-	19.83	.11	564,295	93.53	-	.78	5.69	630,185	95.57	-	1.82	2.61
3rd. Qtr.	627,598	80.28	-	19.66	.06	618,103	85.12	-	14.75	.13	667,484	97.30	-	.62	2.08	633,151	95.42	-	3.81	.77
4th. Qtr.	375,792	87.44	-	12.45	.11	393,960	84.22	-	12.05	2.93	381,382	91.79	-	.81	7.40	405,445	90.65	-	1.78	7.57
Ariz.																				
Cal. Year	249,472	56.19	32.43	11.38	-	306,343	53.39	40.40	6.21	-	326,704	79.68	20.32	-	-	337,733	75.97	24.01	.02	-
1st. Qtr.	58,306	54.91	35.82	9.27	-	197,378	58.21	38.92	5.70	-	68,651	81.71	18.29	-	-	73,820	82.41	17.51	.08	-
2nd. Qtr.	66,819	57.40	32.24	10.36	-	79,381	46.30	46.30	5.10	-	183,376	80.63	19.17	-	-	97,147	79.94	28.06	-	-
3rd. Qtr.	66,599	56.97	33.67	10.36	-	72,575	46.34	37.48	6.18	-	93,319	72.96	27.06	-	-	73,447	71.10	28.90	-	-
4th. Qtr.	57,728	55.16	35.56	11.28	-	66,169	53.37	42.16	4.47	-	74,589	83.95	16.05	-	-	75,947	70.43	29.57	-	-
Ark.																				
Cal. Year	1,301,781	68.83	23.42	-	7.75	1,443,112	81.76	16.55	.56	1.13	1,278,407	92.73	3.57	.08	3.62	1,266,449	89.13	8.12	.15	2.60
1st. Qtr.	301,930	50.85	27.10	-	12.05	387,139	78.60	18.33	-	2.57	266,932	91.91	7.4	-	8.06	1,161,566	77.10	11.71	.61	10.58
2nd. Qtr.	364,095	59.11	21.62	-	9.27	344,639	88.53	9.33	1.62	.52	382,181	95.21	4.87	-	4.05	406,294	93.31	6.33	.36	-
3rd. Qtr.	433,137	79.57	18.68	-	1.75	498,606	80.23	12.26	.51	-	415,253	95.32	3.81	.35	3.56	431,001	83.49	11.26	.34	5.28
4th. Qtr.	262,519	81.15	7.28	-	11.57	212,728	80.13	17.75	-	2.12	284,939	86.55	9.54	-	-	264,598	83.12	11.26	-	-
Calif.																				
Cal. Year	7,607,268	55.15	37.25	7.60	-	10,351,334	47.73	47.34	4.53	-	10,451,293	63.10	36.09	.81	-	11,090,808	58.65	40.99	.36	1/
1st. Qtr.	1,493,778	62.65	32.42	4.93	-	2,682,139	45.51	49.64	4.85	-	2,090,965	56.32	43.48	-	-	1,804,024	60.14	39.71	.15	-
2nd. Qtr.	1,799,117	53.51	37.54	8.95	-	1,762,303	92.35	39.95	7.70	-	2,363,589	73.72	26.28	-	-	2,408,223	97.97	41.09	.94	-
3rd. Qtr.	2,259,051	53.25	39.75	7.03	-	2,890,555	49.55	46.47	3.58	-	3,851,571	62.92	36.96	.52	-	4,657,022	95.68	40.05	.27	.02
4th. Qtr.	1,755,322	53.25	37.43	9.32	-	2,616,337	45.23	50.52	4.25	-	2,215,168	58.80	38.30	2.90	-	2,160,737	55.95	43.97	.06	-
Colo.																				
Cal. Year	837,130	11.47	88.53	-	-	992,750	9.00	91.00	-	-	994,163	10.18	89.82	-	-	979,358	10.12	89.84	-	.04
1st. Qtr.	126,979	15.33	84.47	-	-	337,825	6.20	93.80	-	-	195,250	9.19	90.81	-	-	146,386	16.28	83.46	-	.26
2nd. Qtr.	204,379	12.06	87.94	-	-	181,429	13.88	86.12	-	-	236,163	9.96	90.04	-	-	282,510	8.94	91.06	-	-
3rd. Qtr.	314,433	9.97	90.03	-	-	298,116	8.27	92.73	-	-	338,813	10.48	89.52	-	-	310,687	9.31	90.69	-	-
4th. Qtr.	191,339	10.62	89.38	-	-	175,380	10.59	89.41	-	-	223,937	10.81	89.19	-	-	239,775	8.90	91.10	-	-
Conn.																				
Cal. Year	1,107,710	91.92	-	8.08	-	1,285,232	95.65	-	4.35	-	1,194,527	98.69	-	1.31	-	1,281,880	98.03	-	1.97	-
1st. Qtr.	238,338	91.17	-	8.83	-	348,021	93.79	-	6.21	-	228,480	98.10	-	1.90	-	353,738	99.45	-	.55	-
2nd. Qtr.	269,385	88.65	-	11.35	-	306,309	95.46	-	4.54	-	336,272	97.90	-	2.42	-	303,868	94.71	-	5.29	-
3rd. Qtr.	284,404	91.42	-	8.58	-	314,767	96.88	-	3.12	-	278,752	95.43	-	.57	-	363,433	98.17	-	1.83	-
4th. Qtr.	315,583	95.73	-	4.27	-	316,135	96.63	-	3.37	-	321,923	99.69	-	.31	-	310,841	99.71	-	.29	-
Del.																				
Cal. Year	119,860	90.96	-	9.04	-	136,326	94.85	-	5.15	-	169,301	90.49	-	9.51	-	179,223	92.24	-	7.76	-
1st. Qtr.	29,257	89.05	-	10.95	-	24,280	96.56	-	4.44	-	24,148	95.86	-	4.14	-	28,294	100.00	-	19.82	-
2nd. Qtr.	35,927	92.77	-	7.23	-	33,973	91.46	-	8.54	-	32,518	92.39	-	7.61	-	36,600	98.01	-	1.06	-
3rd. Qtr.	35,927	92.77	-	7.23	-	33,973	91.46	-	8.54	-	32,518	92.39	-	7.61	-	36,600	98.01	-	1.06	-
4th. Qtr.	31,322	85.20	-	14.80	-	34,895	100.00	-	8.16	-	37,469	100.00	-	-	-	34,976	95.01	-	4.99	-
D.																				
Cal. Year	641,405	90.41	-	9.59	-	765,870	89.93	-	10.97	-	679,371	96.96	-	3.04	-	665,450	92.30	-	7.70	-
1st. Qtr.	131,623	88.82	-	11.18	-	189,966	91.91	-	8.09	-	140,253	97.22	-	2.78	-	144,605	97.58	-	2.42	-
2nd. Qtr.	158,243	89.33	-	15.67	-	211,282	85.93	-	14.97	-	193,014	93.90	-	6.10	-	174,569	81.23	-	18.77	-
3rd. Qtr.	176,683	84.33	-	10.87	-	211,020	90.27	-	9.73	-	175,188	98.17	-	1.83	-	232,239	93.73	-	2.64	-
4th. Qtr.	174,856	98.42	-	1.58	-	213,602	90.67	-	9.33	-	170,911	98.95	-	1.05	-	174,037	97.36	-	-	-
Fla.																				
Cal. Year	1,596,089	41.06	-	54.16	4.78	1,650,179	48.92	-	44.02	7.06	1,777,429	51.80	-	43.53	4.67	2,085,341	54.50	-	37.60	7.90
1st. Qtr.	423,538	33.71	-	54.92	11.37	504,914	49.09	-	43.29	7.62	427,328	39.38	-	48.56	12.06	560,670	59.64	-	24.58	15.78
2nd. Qtr.	367,965	41.12	-	58.85	.03	344,717	51.23	-	40.69	8.08	423,208	56.05	-	39.83	4.12	496,187	56.48	-	35.23	8.29
3rd. Qtr.	399,362	34.86	-	65.14	-	345,518	44.88	-	54.92	.20	407,659	60.10	-	38.14	1.76	593,576	53.60	-	46.10	.30
4th. Qtr.	415,224	54.38	-	39.67	5.95	455,030	50.04	-	39.09	10.87	519,234	52.05	-	46.64	1.31	524,908	48.01	-	45.60	6.39
Ge.																				
Cal. Year	2,898,992	91.57	.02	8.41	-	3,509,451	96.57	-	3.43	-	3,523,020	78.91	-	21.07	.02	3,707,857	81.18	-	18.79	.03
1st. Qtr.	579,774	96.33	.09	3.58	-	809,292	98.76	-	1.24	-	582,060	85.91	-	14.09	-	587,458	98.90	-	1.10	-
2nd. Qtr.	795,955	86.03	-	13.97	-	762,426	92.69	-	7.31	-	981,861	85.33	-	14.67	-	1,110,425	73.04	-	26.96	-
3rd. Qtr.	699,822	85.08	-	14.92	-	1,034,015	97.34	-	2.66	-	1,096,561	78.10	-	21.90	-	1,133,124	74.46	-	25.54	-
4th. Qtr.	863,441	98.46	-	1.54	-	1,903,718	96.99	-	3.01	-	862,669	67.92	-	31.98	.10	846,890	88.82	-	11.05	.13
Idaho																				
Cal. Year	364,924	17.20	82.14	.66	-	385,356	15.73	84.27	-	-	451,777	16.36	83.64	-	-	298,691	19.64	80.36	-	-
1st. Qtr.	57,379	19.68	76.14	4.18	-	59,379	22.51	77.49	-	-	90,336	19.27	80.73	-	-	26,545	27.69	72.31	-	-
2nd. Qtr.	96,569	19.36	80.64	-	-	104,363	13.45	86.55	-	-	136,800	16.14	83.86	-	-	67,933	25.17	74.83	-	-
3rd. Qtr.	142,716	14.70	85.30	-	-	121,020	12.69	87.31	-	-	149,101	15.81	84.19	-	-	149,101	15.81	84.19	-	-
4th. Qtr.	66,280	17.25	82.75	-	-	67,649	15.41	84.59	-	-	90,107	17.75	82.25	-	-	55,112	19.30	80.70	-	-

TABLE 5.--PRIMARY DISTRIBUTION OF SUGAR BY STATES AND PERCENTAGE DELIVERED BY EACH GROUP OF PRIMARY DISTRIBUTORS*: CALENDAR YEAR AND BY QUARTERS, 1940, 1941, 1947 AND 1948--CONTINUED

State	1940					1941					1947					1948				
	Distribution 100 lb. (bags Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bags Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bags Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bags Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills
Ill.	11,535,383	57.25	40.29	.01	2.45	14,430,936	56.73	41.95	.12	1.20	12,196,962	47.02	41.70	2.14	9.14	12,220,940	42.80	49.65	.87	6.68
	2,157,018	62.31	34.63	-	3.06	3,577,257	46.27	53.05	-	.68	2,560,550	42.05	49.28	1.08	7.59	2,023,893	49.48	36.19	2.64	11.69
	3,171,446	57.63	51.74	.03	2.60	3,004,545	71.57	27.54	.43	.46	3,491,064	48.40	29.18	2.72	9.62	3,299,712	39.79	55.55	.39	3.79
	3,131,934	46.81	51.56	-	1.63	4,021,653	54.60	45.09	1/	.21	3,475,338	47.90	42.31	3.01	6.78	4,225,845	59.92	59.92	.53	2.20
Ind.	3,068,085	63.95	33.34	-	2.71	3,427,181	58.37	38.01	1/	3.62	3,570,010	41.41	44.76	1.62	12.21	2,671,490	50.10	36.30	.05	13.55
	3,306,560	68.63	29.73	.31	1.33	3,726,028	74.01	23.02	.02	2.95	3,567,695	79.18	13.47	5.41	1.94	3,272,737	68.88	27.75	.87	2.50
	514,081	55.45	43.07	.39	1.03	887,344	71.82	26.25	.07	.93	592,228	81.71	10.84	4.90	2.55	4,337,044	77.02	17.59	1.53	3.86
	827,679	60.46	36.23	1.01	2.30	87,347	85.33	14.57	.07	.03	1,064,411	79.69	9.78	8.73	1.80	925,764	71.53	26.13	1.39	.95
Iowa	1,086,706	67.63	32.08	.29	1.82	1,136,063	77.90	22.07	.02	.01	1,189,974	78.95	15.36	4.53	1.16	1,218,793	62.90	36.46	.74	7.62
	878,134	65.28	12.90	-	1.82	859,274	59.31	29.64	-	11.05	721,082	76.74	17.92	2.41	2.93	691,116	71.43	20.95	-	-
	2,382,126	32.84	66.92	.24	1.14	2,594,774	32.04	67.58	-	.38	2,311,608	30.57	69.06	.03	.34	2,005,133	33.66	65.26	-	1.08
	322,814	34.84	64.61	.55	5.80	736,974	28.80	71.19	-	.01	343,066	27.43	72.35	-	.10	227,163	42.50	57.17	-	.33
Kans.	328,702	33.96	65.64	.40	5.55	532,046	38.75	61.25	-	-	768,201	23.69	76.10	-	.21	567,092	33.63	66.24	-	.13
	891,624	29.53	70.47	.23	2.54	811,217	30.56	69.44	-	2.03	713,180	36.04	63.74	.11	.11	445,475	35.08	62.96	-	1.96
	568,986	35.41	64.36	-	1.04	474,537	32.07	65.90	-	-	487,161	35.60	63.44	-	1.39	331,598	26.75	72.10	-	1.15
	1,308,377	19.05	79.81	.18	4.40	1,362,706	18.47	81.18	.23	.35	1,191,269	22.18	77.22	1.16	.60	1,014,640	25.99	73.49	-	.52
Ky.	207,375	22.80	71.40	.18	5.80	390,029	14.25	85.75	.07	.85	199,212	11.72	88.11	-	.10	104,591	42.51	55.82	-	1.27
	338,919	18.37	81.63	.19	4.90	277,125	24.55	75.45	.36	2.97	369,233	19.66	79.92	-	.42	352,405	21.10	78.46	-	.44
	483,764	17.18	82.82	.28	2.91	436,087	19.05	80.95	.27	1.22	347,452	27.30	72.25	2.00	6.73	331,598	13.81	66.19	-	-
	278,299	20.32	78.64	.18	2.54	227,465	17.33	80.80	.20	1.87	275,572	26.63	71.98	5.13	1.39	331,598	14.33	84.61	-	1.06
La.	1,986,897	92.74	2.68	.18	4.40	2,197,415	95.37	2.13	.23	2.27	1,868,775	89.61	.05	7.28	3.06	1,672,598	90.96	2.98	2.60	3.46
	335,283	86.44	4.82	.18	8.86	577,288	96.25	2.83	.07	.85	312,882	94.95	-	1.61	3.24	218,847	91.21	1.11	2.71	5.40
	564,083	90.05	4.86	.19	4.90	525,259	96.36	.31	.36	2.97	505,295	90.34	-	5.53	4.13	522,819	93.44	3.23	3.45	1.59
	637,752	95.17	1.64	.28	2.91	686,086	98.04	.47	.27	1.22	704,146	86.02	.29	13.57	6.73	572,271	91.56	3.92	3.45	1.05
Maine	429,728	97.46	1.64	.28	2.54	436,086	88.87	5.99	.20	4.94	348,442	90.98	-	2.00	6.73	359,661	86.22	2.95	.51	10.32
	2,869,502	81.22	.34	8.98	9.46	3,767,448	89.71	.46	6.40	7.43	2,515,622	92.86	-	1.16	5.98	2,693,512	94.91	-	.18	4.91
	517,200	77.95	9.96	.18	8.86	1,080,103	90.95	1.25	5.44	2.32	476,463	87.56	-	12.44	122,166	466,987	90.87	.36	8.17	
	783,494	81.13	16.22	.19	7.06	1,980,145	79.82	-	18.72	1.46	675,281	96.36	-	3.64	768,408	77.69	97.69	.16	2.15	
Mass.	894,594	91.91	7.79	.73	2.30	851,856	99.59	-	.97	1.46	820,983	95.61	-	4.39	839,496	99.03	99.03	.25	.72	
	734,494	71.46	-	1.57	26.57	931,978	73.53	.52	.27	25.68	569,895	89.37	-	5.13	618,531	88.91	88.91	-	11.09	
	703,692	99.72	-	.28	-	760,904	100.00	-	-	1/	688,135	100.00	-	-	691,728	99.49	-	.51	-	
	138,859	100.00	-	-	-	212,050	100.00	-	-	-	111,673	100.00	-	-	122,166	100.00	-	-	-	
Mich.	138,859	99.75	-	.25	-	199,721	100.00	-	-	-	189,408	100.00	-	-	170,539	99.53	-	.47	-	
	226,632	99.29	-	.71	-	192,523	100.00	-	-	-	237,381	100.00	-	-	265,398	98.97	-	1.03	-	
	176,695	100.00	-	-	-	165,668	100.00	-	-	1/	153,673	100.00	-	-	133,695	100.00	-	-	-	
	2,842,071	66.21	1.36	32.43	1/	3,537,754	79.45	.17	20.38	7.43	2,515,622	92.86	-	1.16	5.98	2,693,512	94.91	.09	36.71	-
Miss.	622,580	63.00	.66	35.26	1/	721,564	72.31	.17	26.36	1/	494,482	79.62	-	28.38	-	3,090,000	63.20	.09	11.64	-
	744,282	62.08	.61	37.90	1/	1,132,520	76.60	1/	22.31	-	868,895	66.45	-	33.55	-	774,040	88.36	.24	82.33	-
	800,985	57.14	2.93	39.53	-	1,048,985	77.66	-	22.42	-	890,359	65.78	-	34.22	-	934,255	70.65	.14	20.35	-
	674,264	53.79	1.62	14.59	-	708,569	89.79	-	10.21	-	724,591	79.34	-	20.66	-	730,377	82.76	.14	17.10	-
N. Car.	4,897,538	94.48	1.39	4.11	.02	5,589,539	95.61	.09	4.30	-	4,726,290	98.26	-	1.74	-	4,910,427	96.43	.06	3.51	-
	970,158	97.06	3.75	2.69	.10	1,405,102	97.95	.35	4.70	-	977,887	100.00	-	-	-	1,219,021	98.35	-	1.65	-
	1,210,471	91.30	3.83	4.87	-	1,403,490	99.19	1/	4.81	-	1,270,371	99.32	-	.08	-	1,061,616	94.19	.28	5.53	-
	1,408,261	97.09	2.63	6.57	-	1,395,107	90.94	-	9.06	-	1,124,585	95.99	-	2.10	-	1,297,573	95.39	-	4.61	-
N. Dak.	1,408,261	97.09	2.63	6.57	-	1,395,107	90.94	-	9.06	-	1,353,507	95.99	-	4.01	-	1,332,217	97.46	-	2.54	-
	4,405,305	45.08	53.10	1.77	.05	5,472,882	36.43	61.60	1.97	.02	5,972,542	37.55	53.82	7.87	.76	4,285,134	39.55	53.45	6.29	.71
	703,076	53.07	53.07	1.06	.05	1,666,933	34.37	65.01	.02	.02	976,368	62.30	-	4.96	.06	761,726	42.56	50.36	7.08	-
	1,089,538	58.47	58.47	1.25	.17	1,121,108	38.50	55.93	5.17	.02	1,552,940	35.85	55.13	8.76	.26	1,218,203	34.80	53.74	11.97	.39
S. Dak.	1,299,051	58.35	58.35	1.94	.03	1,397,236	40.13	57.33	2.94	.03	1,402,746	43.27	58.03	12.06	.63	1,498,912	38.75	57.12	4.13	-
	1,313,640	54.61	43.48	1.88	.03	1,287,695	32.14	66.78	1.08	.03	1,140,488	37.00	58.03	4.02	.95	806,293	45.38	49.09	2.34	3.19
	2,646,274	24.03	75.60	.03	.34	2,932,628	20.78	78.64	-	.58	2,787,323	13.61	86.20	-	.19	2,753,980	24.91	84.77	-	.32
	324,056	28.04	68.30	.03	.86	854,068	18.82	81.09	-	.09	566,599	9.25	90.58	-	.17	325,558	12.53	75.79	-	1.68
Tenn.	587,146	20.31	70.64	.14	.82	474,005	29.35	70.65	-	.09	704,856	11.58	88.42	-	.10	761,844				

TABLE 5.--PRIMARY DISTRIBUTION OF SUGAR BY STATES AND PERCENTAGE DELIVERED BY EACH GROUP OF PRIMARY DISTRIBUTORS*: CALENDAR YEAR AND BY QUARTERS, 1940, 1941, 1947 AND 1948--CONTINUED

State	1940					1941					1947					1948				
	Percent Distributed by					Percent Distributed by					Percent Distributed by					Percent Distributed by				
	Distribution 100 lb. (bagg Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bagg Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bagg Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (bagg Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills
Misc.																				
Cal. Year	1,274,274	94.55	1.07	1.74	2.64	1,822,110	98.71	-	.64	.65	1,425,167	96.15	-	.64	.32	1,324,922	97.82	-	.58	1.60
1st. Qtr.	246,898	89.44	2.01	2.55	5.10	476,278	98.65	-	1.20	1.14	201,071	96.65	-	.50	.85	189,443	91.38	-	1.93	4.69
2nd. Qtr.	361,095	91.62	1.45	3.60	3.33	444,903	98.65	-	1.00	.45	365,453	95.19	-	-	4.81	106,603	93.34	-	.11	5.55
3rd. Qtr.	412,119	98.32	.29	.61	.78	515,698	99.10	-	.90	.14	577,322	98.44	-	.59	.97	455,566	99.29	-	.54	.37
4th. Qtr.	254,162	97.57	-	.13	2.30	384,231	98.42	-	.44	1.14	281,314	92.35	-	1.68	5.97	273,310	96.19	-	.40	3.41
Mo.																				
Cal. Year	4,402,423	54.15	43.96	-	1.89	5,044,869	49.16	40.26	-	1.58	4,690,135	52.53	43.81	1.23	2.43	4,436,407	47.99	51.04	.36	.61
1st. Qtr.	719,366	57.74	39.44	-	3.80	1,307,492	44.78	54.58	-	.64	815,477	41.67	55.19	3.14	3.09	660,573	59.58	36.28	2.43	1.71
2nd. Qtr.	1,315,029	57.49	41.09	-	1.42	2,907,364	54.99	44.39	-	.62	1,189,231	60.12	52.48	1.31	2.09	1,350,673	42.19	58.30	-	.49 2/
3rd. Qtr.	1,393,761	46.87	52.50	-	.63	1,795,506	49.18	50.72	-	.10	1,597,851	52.35	45.05	1.40	1.16	1,477,023	50.75	49.07	-	.18
4th. Qtr.	1,004,267	57.78	39.41	-	2.81	1,919,597	49.80	43.97	-	6.23	1,087,576	52.58	41.46	1.84	4.12	1,448,138	43.50	54.05	-	2.05
Mont.																				
Cal. Year	439,076	8.19	91.81	-	-	465,966	6.08	90.42	-	3.50	417,226	7.46	92.54	-	-	357,188	7.81	92.19	-	-
1st. Qtr.	92,373	13.60	86.40	-	-	101,560	7.18	92.82	-	-	66,030	8.81	91.19	-	-	36,852	22.18	77.82	-	-
2nd. Qtr.	92,571	10.81	89.19	-	-	96,259	7.04	92.96	-	-	116,082	3.17	96.83	-	-	51,416	8.70	91.30	-	-
3rd. Qtr.	201,204	3.84	96.16	-	-	152,208	5.62	94.38	-	-	123,821	10.08	89.92	-	-	157,416	7.10	92.90	-	-
4th. Qtr.	82,918	11.76	88.24	-	-	115,939	4.94	81.00	-	14.06	111,293	8.22	91.78	-	-	71,510	.83	99.17	-	-
Neb.																				
Cal. Year	1,079,243	16.49	83.09	-	.42	1,362,161	12.30	87.18	-	.52	1,180,894	9.63	89.90	.17	.30	1,009,547	13.52	85.92	1 1/2	.56
1st. Qtr.	126,944	20.09	79.43	-	.48	421,249	11.31	88.50	-	.19	172,448	5.37	94.19	-	.44	104,957	23.35	75.21	-	1.44
2nd. Qtr.	230,127	21.51	78.15	-	.34	255,559	15.99	84.01	-	-	359,995	7.47	92.03	-	.50	244,719	12.37	86.51	-	1.12
3rd. Qtr.	460,819	18.74	88.26	-	-	436,906	9.55	90.45	-	-	333,263	11.28	88.72	-	-	348,481	14.50	85.10	-	-
4th. Qtr.	261,333	18.70	80.10	-	1.20	278,647	15.11	82.62	-	2.27	315,168	12.67	86.36	.64	.33	311,390	9.57	90.00	-	.43
Nev.																				
Cal. Year	66,552	88.39	11.61	-	-	72,181	87.59	12.41	-	-	74,601	77.70	22.30	-	-	60,302	75.37	24.63	-	-
1st. Qtr.	12,553	94.56	5.44	-	-	15,283	86.06	13.94	-	-	15,041	72.42	27.58	-	-	11,568	79.59	20.41	-	-
2nd. Qtr.	17,447	90.78	9.22	-	-	21,680	91.98	8.02	-	-	25,406	73.77	26.23	-	-	14,508	74.54	25.46	-	-
3rd. Qtr.	21,715	85.47	14.53	-	-	19,211	84.26	15.64	-	-	18,642	84.08	15.92	-	-	20,739	71.49	28.51	-	-
4th. Qtr.	14,837	84.63	15.37	-	-	15,767	89.36	10.74	-	-	15,512	81.57	18.43	-	-	13,487	78.61	21.39	-	-
New Hamp.																				
Cal. Year	324,004	99.14	-	.86	-	337,391	98.34	-	1.66	-	298,324	100.00	-	-	-	275,576	99.66	-	.34	-
1st. Qtr.	72,023	100.00	-	-	-	94,219	98.73	-	1.27	-	49,405	100.00	-	-	-	54,425	100.00	-	-	-
2nd. Qtr.	74,937	97.86	-	2.14	-	94,472	96.19	-	3.81	-	79,067	100.00	-	-	-	65,433	99.77	-	.23	-
3rd. Qtr.	91,104	98.69	-	1.31	-	80,100	99.00	-	1.00	-	93,082	100.00	-	-	-	87,297	99.08	-	.92	-
4th. Qtr.	85,640	100.00	-	-	-	68,600	100.00	-	-	-	76,770	100.00	-	-	-	66,421	100.00	-	-	-
New Jersey																				
Cal. Year	4,381,535	92.28	1.26	6.46	-	5,653,258	94.43	.11	5.46	-	5,260,095	90.24	-	9.76	-	5,401,341	94.68	1/	5.32	-
1st. Qtr.	890,012	94.88	1.60	4.52	-	1,534,397	96.37	.42	3.21	-	955,866	93.26	-	6.74	-	1,080,731	94.43	-	5.57	-
2nd. Qtr.	1,024,035	89.25	1.97	8.78	-	1,460,744	93.57	-	6.43	-	1,310,724	86.99	-	13.01	-	1,307,693	94.02	-	5.98	-
3rd. Qtr.	1,210,280	89.55	2.44	8.01	-	1,472,796	94.49	-	5.51	-	1,577,146	86.22	-	13.78	-	1,610,605	93.64	-	6.36	-
4th. Qtr.	1,297,208	95.53	1/	4.47	-	1,385,321	93.14	-	6.86	-	1,386,399	95.87	1/	4.13	-	1,402,612	96.66	.01	3.33	-
New Mexico																				
Cal. Year	280,886	31.91	68.09	-	-	224,688	25.39	74.61	-	.06	251,211	51.49	48.51	-	-	224,574	45.30	-	-	-
1st. Qtr.	46,971	28.03	71.97	-	-	66,252	19.73	80.27	-	-	45,870	47.68	52.32	-	-	35,157	52.87	-	-	-
2nd. Qtr.	72,989	32.95	67.05	-	-	39,071	35.13	64.87	-	-	79,138	53.16	46.84	-	-	35,157	52.87	-	-	-
3rd. Qtr.	95,048	27.20	72.80	-	-	77,468	21.65	78.35	-	-	74,873	50.34	49.66	-	-	74,909	51.08	-	-	-
4th. Qtr.	65,878	40.32	59.68	-	-	41,897	21.08	78.92	-	-	51,330	54.02	45.98	-	-	51,318	33.47	-	-	-
New York																				
Cal. Year	16,231,896	77.43	2.37	20.20	-	18,015,785	86.19	.73	13.02	-	16,907,977	91.29	1/	8.70	.01	17,223,804	90.24	.19	9.57	-
1st. Qtr.	3,336,119	79.69	1.21	19.10	-	4,747,278	86.80	1.27	11.93	-	3,612,524	88.62	.05	11.33	-	3,822,455	81.98	-	8.02	-
2nd. Qtr.	4,091,228	72.51	2.01	25.48	-	4,481,045	84.30	1.39	14.31	-	4,666,022	89.53	-0.2 2/	10.47	.02	4,434,632	81.83	.58	15.59	-
3rd. Qtr.	4,472,357	70.26	1.84	24.90	-	4,404,202	88.15	.15	14.37	-	4,184,661	93.99	-	6.01	-	4,794,056	92.02	.10	7.88	-
4th. Qtr.	4,332,192	87.73	1.06	11.21	-	4,385,860	88.15	.07	11.53	.25	4,444,740	92.75	-	7.25	-	4,172,661	93.43	.05	6.52	-
North Car.																				
Cal. Year	2,541,141	69.45	-	30.55	-	2,844,531	82.16	-	17.84	-	2,675,452	80.30	-	19.70	-	2,819,691	81.08	-	18.92	-
1st. Qtr.	445,602	60.95	-	39.05	-	671,153	73.12	-	12.88	-	398,421	91.91	-	8.09	-	426,794	94.79	-	5.21	-
2nd. Qtr.	678,170	56.83	-	43.17	-	636,544	73.22	-	26.78	-	741,665	79.16	-	20.84	-	848,381	76.56	-	23.41	-
3rd. Qtr.	702,321	62.90	-	37.10	-	879,658	70.83	-	21.63	-	897,592	76.23	-	23.77	-	1,010,129	76.59	-	14.21	-
4th. Qtr.	715,048	93.14	-	6.86	-	657,176	90.83	9.17	9.17	-	637,774	80.11	-	19.89	-	534,387	85.79	-	-	-
North Dak.																				
Cal. Year	517,468	15.43	84.57	-	-	512,667	12.58	87.42	-	-	424,871	9.17	90.83	-	-	351,392	8.32	-	-	-
1st. Qtr.	79,580	19.83	80.17	-	-	114,285	14.52	85.48	-	-	36,386	11.77	88.23	-	-	36,101	11.33	-	-	-
2nd. Qtr.	109,953	17.41	82.59	-	-	118,957	13.92	86.08	-	-	135,618	5.67	94.33	-	-	83,930	10.63	-	-	-
3rd. Qtr.	202,909	12.49	87.51	-	-	182,114	11.11	88.89	-	-	135,724	8.62	91.38	-	-	150,442	7.11	-	-	-
4th. Qtr.	125,086	15.66	84.34	-	-	101,311	11.50	88.50	-	-	97,153	13.30	86.70	-	-	86,519	6.83	-	-	-

TABLE 5.--PRIMARY DISTRIBUTION OF SUGAR BY STATES AND PERCENTAGE DELIVERED BY EACH GROUP OF PRIMARY DISTRIBUTORS: CALENDAR YEAR AND BY QUARTERS, 1940, 1941, 1947 AND 1948--CONTINUED

SUGAR REPORTS

APRIL 1949

State	1940					1941					1947					1948				
	Percent Distributed by					Percent Distributed by					Percent Distributed by					Percent Distributed by				
	Distribution 100 lb. (baga ref.)	Refinore	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (baga ref.)	Refinore	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (baga ref.)	Refinore	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (baga ref.)	Refinore	Beet Pro- cessors	Im- porters	Main- land Cane Mills
Ohio	6,423,532	75.92	19.10	4.45	.53	7,178,718	76.65	19.41	3.76	.18	6,529,108	78.38	9.00	11.61	1.01	6,286,943	69.52	22.34	6.72	1.42
	1,141,953	72.74	22.69	3.75	.62	1,962,263	71.27	23.88	2.61	.24	1,682,186	78.39	11.19	8.10	2.32	1,012,634	74.60	16.82	6.93	1.65
	1,609,881	67.16	26.79	5.71	.34	1,432,531	77.93	15.35	6.61	.11	1,595,288	76.53	8.39	14.42	.66	1,769,451	64.44	22.65	11.19	1.72
	1,767,881	72.30	19.20	4.64	.86	1,980,530	85.43	11.69	2.88	-.35	1,662,926	79.99	2.22	17.51	.28	2,043,607	68.82	24.96	6.22	2.92
	1,843,594	86.34	9.77	3.59	.30	1,693,394	71.86	24.86	3.73	-.35	1,622,706	78.52	16.46	3.61	1.41	1,430,851	73.23	22.12	1.73	-.30
Oklahoma	1,388,695	37.61	62.35	-	.04	1,761,361	37.95	61.96	-	.09	1,381,513	74.99	25.35	-	.06	1,280,112	68.48	31.22	-	.30
	230,257	43.08	56.92	-	-	311,666	31.39	68.61	-	-	220,350	73.05	26.95	-	-.05	269,535	76.38	23.00	-	.62
	332,634	41.99	58.61	-	-	318,522	51.94	46.96	-	-	388,183	73.05	25.23	-	.05	383,755	64.22	35.26	-	.52
	348,596	31.37	68.63	-	-	689,490	34.25	65.75	-	-.57	483,696	76.93	22.99	-	.08	411,660	71.45	28.55	-	-.21
	348,348	37.71	62.13	-	.16	281,743	44.65	55.35	-	-	289,124	71.67	33.94	-	.10	275,162	63.94	35.85	-	.81
Oregon	1,239,377	42.01	43.81	13.28	-	1,744,442	37.27	53.32	9.41	-	1,654,798	57.96	41.31	1.13	-	1,593,603	55.96	41.88	2.13	.03
	1,131,017	39.01	46.81	16.18	-	370,988	26.41	41.02	6.77	-	232,023	65.60	34.40	-	-	169,232	62.37	25.45	11.11	-
	1,467,741	45.74	47.14	10.18	-	1,744,442	52.64	44.51	9.70	-	618,283	58.36	41.64	-	-	388,154	62.47	35.11	1.22	-
	1,405,049	43.39	46.23	10.38	-	1,633,723	40.82	52.85	10.33	-	618,283	58.36	41.64	-	-	705,237	49.59	49.82	.19	-
	210,407	46.28	46.28	6.89	-	327,140	40.65	48.69	10.66	-	280,436	62.27	33.94	-	-	240,984	57.28	41.13	.83	.16
Penn.	11,560,219	80.38	2.62	17.00	1/	12,601,223	84.37	3.7	15.26	-	11,707,734	85.26	-	14.74	-	11,724,539	79.60	.73	19.67	-
	2,524,712	77.57	3.49	18.94	-	3,221,601	89.19	1.06	9.35	-	2,367,493	90.40	-	9.60	-	2,609,100	86.12	1.07	13.88	-
	3,150,988	71.15	2.32	26.53	-	3,451,845	74.15	.13	20.72	-	3,171,647	84.17	-	15.83	-	3,071,407	73.93	1.97	23.00	-
	2,925,530	80.55	2.65	16.80	-	2,845,131	79.59	.03	20.38	-	3,320,831	80.12	-	19.88	-	3,144,126	84.63	1.20	19.17	-
	2,958,959	92.45	2.18	5.37	1/	3,082,646	94.77	.24	4.99	-	2,982,284	88.24	-	11.76	-	2,942,666	79.27	1.57	19.16	-
Rhode Is.	588,303	96.12	-	3.88	-	656,219	99.70	-	.30	-	551,842	99.82	-	.18	-	578,443	98.88	-	1.12	-
	126,950	100.00	-	-	-	177,636	100.00	-	-	-	123,980	100.00	-	-	-	137,056	99.80	-	3.48	-
	149,089	86.74	-	13.26	-	177,636	99.28	-	.71	-	153,174	100.00	-	-	-	132,014	96.52	-	.95	-
	147,830	97.94	-	2.06	-	138,563	99.82	-	.32	-	126,577	99.21	-	1/	-	167,579	98.05	-	-	-
	164,434	100.00	-	-	-	163,683	99.82	-	.18	-	148,171	100.00	-	-	-	141,814	100.00	-	-	-
Cal. Year	1,367,746	59.88	.09	40.03	-	1,554,697	74.46	-	25.54	-	1,204,870	91.48	-	8.52	-	1,306,593	96.33	-	3.67	-
	263,042	55.35	.49	44.16	-	377,755	85.52	-	14.48	-	1,188,957	97.00	-	3.00	-	231,805	98.43	-	1.57	-
	377,736	56.20	-	31.86	-	401,695	61.22	-	38.78	-	370,232	87.47	-	12.53	-	375,760	93.16	-	6.84	-
	366,908	48.14	-	51.86	-	409,589	73.53	-	24.47	-	409,233	88.95	-	11.15	-	422,746	98.00	-	2.00	-
	360,060	79.00	-	21.00	-	365,658	76.39	-	23.61	-	236,408	97.91	-	2.09	-	273,282	96.32	-	3.68	-
South Dak.	446,123	11.80	88.20	-	-	488,748	10.39	89.61	-	-	454,430	7.20	92.80	-	-	345,079	7.95	92.05	-	-
	72,402	16.30	83.70	-	-	117,137	13.38	86.62	-	-	61,104	6.74	93.26	-	-	34,918	15.72	84.28	-	-
	99,481	12.93	87.07	-	-	114,260	10.75	89.25	-	-	126,595	7.47	92.53	-	-	92,936	8.72	91.28	-	-
	171,009	8.54	91.46	-	-	155,831	7.76	89.43	-	-	148,200	7.44	92.56	-	-	128,429	6.95	93.05	-	-
	103,231	12.95	87.05	-	-	101,320	10.57	89.43	-	-	118,522	6.85	93.15	-	-	88,796	5.53	94.47	-	-
Tenn.	2,565,780	85.28	4.48	4.56	5.68	2,641,389	94.17	.86	2.49	2.46	2,711,516	90.69	-	7.37	1.94	2,647,495	92.73	.83	2.25	4.19
	434,381	78.47	9.09	2.29	10.15	754,450	92.19	1.58	1.45	4.78	407,111	95.64	-	1.03	3.33	432,454	91.21	.83	2.62	5.94
	813,746	79.29	8.48	6.78	5.45	646,406	92.68	.56	4.65	2.11	783,398	91.81	-	6.99	1.60	819,709	92.27	1.03	2.39	4.31
	801,734	91.16	.70	6.42	1.72	885,483	96.95	.72	2.49	-	989,712	85.81	-	13.46	.70	888,488	95.98	1.52	2.27	.23
	545,919	91.30	.16	.08	8.46	555,050	94.14	.72	1.41	3.73	531,295	94.33	-	1.95	3.72	566,844	89.79	1.52	1.72	8.49
Texas	5,761,656	59.44	33.08	6.05	1.43	6,073,200	64.10	33.61	1.84	.45	5,799,047	88.96	10.36	.24	.44	6,300,160	76.79	22.21	.25	.75
	1,144,726	61.83	33.34	1.89	2.94	1,744,096	51.37	44.50	3.23	.90	931,857	95.34	3.63	-	1.03	1,072,860	84.94	12.62	.43	2.01
	1,696,724	51.10	36.87	10.48	1.25	1,330,397	74.90	23.55	1.30	.05	1,541,575	94.20	5.70	-	-.10	1,903,345	76.20	22.87	.54	.39
	1,618,203	54.20	39.72	5.23	.85	1,919,413	66.18	32.45	1.37	-.97	2,035,395	86.67	12.74	.51	.08	1,915,885	75.90	23.76	.05	.86
	1,302,003	74.71	19.66	4.96	.67	1,079,294	67.68	30.50	.85	-.97	1,230,265	81.02	17.69	.29	1.00	1,408,079	72.61	26.53	-	-.86
Utah	395,898	14.69	85.31	-	-	601,987	11.87	88.13	-	-	748,317	8.99	91.01	-	-	564,675	11.19	88.81	-	-
	58,100	14.39	85.61	-	-	163,332	14.54	85.46	-	-	94,725	8.92	91.48	-	-	82,683	15.49	84.51	-	-
	102,220	13.22	86.78	-	-	139,185	13.67	86.13	-	-	182,230	6.37	93.63	-	-	131,172	14.20	85.80	-	-
	154,331	13.25	86.75	-	-	179,197	7.44	92.56	-	-	248,741	9.59	90.41	-	-	230,588	7.86	92.14	-	-
	81,247	19.47	80.53	-	-	120,273	12.54	87.46	-	-	222,621	10.66	89.34	-	-	120,492	11.34	88.66	-	-
Vermont	264,787	88.14	-	11.86	-	276,835	94.51	-	5.49	-	380,941	88.64	-	11.36	-	349,874	97.11	-	18.53	-
	57,724	93.07	-	6.93	-	78,785	90.48	-	9.52	-	57,738	93.42	-	6.58	-	55,459	87.47	-	2.89	-
	69,883	85.69	-	14.31	-	64,070	98.13	-	1.87	-	116,752	93.60	-	6.40	-	101,423	54.45	-	45.55	-
	76,467	80.91	-	19.09	-	69,262	97.26	-	2.74	-	118,395	76.35	-	23.65	-	107,263	93.43	-	6.57	-
	60,713	95.39	-	4.61	-	64,758	92.90	-	7.10	-	88,056	95.46	-	4.54	-	85,723	86.34	-	11.66	-

TABLE 5.--PRIMARY DISTRIBUTION OF SUGAR BY STATES AND PERCENTAGE DELIVERED BY EACH GROUP OF PRIMARY DISTRIBUTORS*: CALENDAR YEAR AND BY QUARTERS, 1940, 1941, 1947 AND 1948--CONTINUED

State	1940					1941					1947					1948				
	Percent Distributed by					Percent Distributed by					Percent Distributed by					Percent Distributed by				
	Distribution 100 lb. (base Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (base Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (base Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills	Distribution 100 lb. (base Ref.)	Refiners	Beet Pro- cessors	Im- porters	Main- land Cane Mills
Virginia																				
Cal. Year	2,581,009	62.34	31	37.35	-	2,636,992	75.73	1/1	24.27	-	2,320,831	72.50	-	27.50	-	2,256,708	73.57	-	26.03	-
1st. Qtr.	648,130	56.00	.22	43.78	-	596,808	85.11	1/1	14.89	-	394,748	84.03	-	-	-	346,567	86.42	-	13.58	-
2nd. Qtr.	694,138	52.30	1.02	46.68	-	602,694	64.31	-	35.69	-	671,016	71.45	-	28.55	-	624,389	68.03	-	31.27	-
3rd. Qtr.	771,394	54.39	-	45.61	-	762,578	74.70	-	25.21	-	782,205	80.22	-	37.08	-	737,959	68.62	-	31.38	-
4th. Qtr.	696,887	84.95	-	15.05	-	674,952	78.70	-	21.30	-	472,862	80.22	-	19.78	-	547,133	80.07	-	19.93	-
Wash.																				
Cal. Year	1,911,256	31.81	46.39	21.80	-	2,406,965	30.32	48.39	20.69	-	2,343,653	48.09	51.91	-	-	2,216,262	40.11	59.87	.02	-
1st. Qtr.	580,967	32.28	46.08	21.64	-	528,375	42.15	42.97	14.88	-	231,532	48.09	51.91	-	-	232,851	46.17	53.83	-	-
2nd. Qtr.	575,961	33.27	46.95	19.88	-	677,066	24.90	47.57	27.53	-	695,842	50.41	49.59	-	-	516,179	44.11	55.86	.03	-
3rd. Qtr.	704,944	30.57	47.74	21.69	-	734,506	27.32	56.83	15.85	-	887,944	43.40	56.60	-	-	936,560	39.11	60.89	-	-
4th. Qtr.	349,384	31.55	43.13	25.32	-	467,018	32.64	42.41	24.95	-	468,335	53.54	46.46	-	-	510,672	34.92	65.04	.04	-
West Vir.																				
Cal. Year	1,231,929	98.13	.75	1.12	-	1,334,008	97.02	-	2.98	-	1,178,494	82.02	.07	17.91	-	1,126,009	85.69	3.35	10.96	-
1st. Qtr.	228,591	98.13	1.78	.09	-	302,115	99.57	-	.43	-	165,537	91.61	.48	7.91	-	150,474	95.61	4.39	4.39	-
2nd. Qtr.	306,191	95.04	1.44	3.52	-	328,100	96.55	-	3.45	-	293,168	78.33	-	21.67	-	312,418	73.62	6.01	20.37	-
3rd. Qtr.	100,166	99.11	.66	.66	-	458,458	97.22	-	2.78	-	430,422	74.32	-	25.68	-	445,860	84.15	5.88	9.97	-
4th. Qtr.	296,981	99.98	.02	.02	-	245,135	94.15	-	5.85	-	259,367	95.93	-	4.97	-	217,257	99.34	-3.36	4.02	-
Wis.																				
Cal. Year	2,948,399	51.30	46.01	-	2.69	3,557,519	54.82	44.76	-	.42	3,444,603	47.11	48.55	1.47	2.87	2,782,589	52.91	44.50	.15	2.36
1st. Qtr.	866,568	45.61	47.53	-	5.86	950,401	51.96	48.02	-	.02	675,044	40.68	57.09	-	2.23	446,291	54.20	33.59	7.56	4.65
2nd. Qtr.	845,655	47.69	47.70	-	4.61	826,992	64.65	35.35	-	1/1	862,398	47.91	47.24	3.26	1.59	908,365	48.97	50.13	.12	.78
3rd. Qtr.	971,459	47.19	52.32	-	.49	1,035,352	54.61	45.39	-	-	1,110,871	49.76	48.12	1.32	.80	861,530	56.36	47.10	-3.55	2/1
4th. Qtr.	664,717	65.92	32.88	-	1.20	744,774	47.85	50.15	-	2.00	796,250	48.02	43.33	.99	7.66	566,403	52.95	40.49	-	6.56
Wyo.																				
Cal. Year	157,853	18.19	81.81	-	-	159,951	17.74	82.26	-	-	163,228	10.09	89.91	-	-	122,694	9.23	90.77	-	-
1st. Qtr.	27,594	26.75	73.25	-	-	61,045	13.18	86.82	-	-	25,963	9.54	90.46	-	-	13,803	12.28	87.72	-	-
2nd. Qtr.	40,448	16.86	83.14	-	-	19,591	37.53	62.47	-	-	52,843	9.54	93.13	-	-	27,916	10.57	89.43	-	-
3rd. Qtr.	56,196	15.29	84.71	-	-	52,770	15.61	84.19	-	-	47,612	13.86	86.14	-	-	43,289	9.87	90.13	-	-
4th. Qtr.	33,617	17.60	82.40	-	-	26,545	17.45	82.55	-	-	36,810	10.22	89.78	-	-	37,706	6.39	93.61	-	-
Total U.S.	129,880,185	66.21	22.70	10.02	1.07	151,635,845	68.51	23.89	6.91	.69	138,888,918	70.62	20.71	7.17	1.50	137,311,928	69.16	22.55	6.96	1.33
Cal. Year	24,236,229	68.09	19.62	10.61	1.68	40,118,980	66.37	27.91	5.24	.48	25,617,193	70.27	22.39	5.53	1.81	24,085,507	76.83	15.42	5.35	2.40
1st. Qtr.	34,177,338	62.25	23.39	13.37	1.39	34,719,668	71.35	17.96	10.41	.28	37,100,711	72.25	18.54	7.95	1.26	36,966,847	65.25	23.69	10.25	.61
2nd. Qtr.	38,353,272	27.72	18.14	10.73	.42	42,786,868	67.07	25.91	6.96	.06	42,786,868	69.56	21.24	8.30	.90	45,089,427	67.03	26.40	6.26	.31
3rd. Qtr.	33,113,346	74.81	18.14	5.31	1.44	34,646,627	69.90	22.74	5.26	2.10	33,384,146	70.44	21.16	6.12	2.28	31,169,747	70.96	21.12	5.34	2.56

* Revised.
 1/ Less than one hundredth of one percent.
 2/ Return of deliveries.

"INVISIBLE" SUPPLIES OF SUGAR, OCTOBER-DECEMBER 1948

Stocks of sugar held by 1,465 retailers, wholesalers, and industrial users of sugar were 5 percent lower on December 31, 1948, than on October 1, 1948. Receipts of sugar by these companies during the last quarter of 1948 represented about one-half of the total amount of sugar distributed by primary distributors in those three months. Reports of the 1,465 companies showed stocks on December 31, of about 249,000 short tons, raw value, about 12,000 tons below the October 1 stocks of these same companies. A year earlier, when 1,022 companies reported October 1 and December 31 stocks, the holdings at the year end were 21 percent above the stocks at the beginning of the quarter.

Table 6 SUGAR STOCKS, RECEIPTS, AND DELIVERIES OR USAGE,
OCTOBER-DECEMBER, 1948, AS REPORTED BY 1,465 RETAILERS,
WHOLESALEERS AND INDUSTRIAL USERS

	Short tons, <u>raw value</u>
Stocks, October 1	260,481
Receipts, October-December	839,244 ^{1/}
Deliveries or usage, October-December	851,235
Stocks, December 31	248,490

^{1/} These receipts represent approximately 50% of the total deliveries of sugar by primary distributors (sugar refiners, processors, and importers) during the third quarter of 1948.

Stocks reported on October 1 and December 31, 1948, and on the same dates in previous years were as follows:

Year	Number of companies reporting	Stocks		Percentage of deliveries by primary distri- butors represented by receipts of companies reporting (Percent)	Stocks on Dec. 31 as percentage of stocks on Oct. 1 (Percent)
		Oct. 1 and Dec. 31 (Short tons, raw value)			
		<u>Oct. 1</u>	<u>Dec. 31</u>		
1938	1,387	258,117	318,206	46	123
1939	1,391	372,846	340,195	52	91
1940	1,295	398,382	417,819	44	105
1947	1,022	229,205	277,802	51	121
1948	1,465	260,481	248,490	50	95

(continued)

Reports for the period October-December 1948 have been received from 810 companies which also reported for the fourth quarter of 1947. The receipts of these companies represent approximately 41 percent of the total deliveries by primary distributors during each of the two quarters. Each of the three groups of companies (retailers, wholesalers, and industrial users) had in total slightly smaller stocks on hand on December 31, 1948, than on the same day a year earlier, but approximately the same stocks in relation to the deliveries or usage during the fourth quarter of both years.

A summary of the reports of the 810 companies for the two quarters follows:

Table 7 "INVISIBLE" SUGAR STOCKS, RECEIPTS AND DELIVERIES OR USAGE, OCTOBER-DECEMBER 1947 AND 1948 FOR 810 COMPANIES WHICH REPORTED FOR BOTH QUARTERS

	Begin- ning Stocks	Receipts (Short tons,	Deliv- eries or Usage raw value)	Ending Stocks	December 31 Stocks as per- cent of Deliveries or Usage During Oct.-Dec. (Percent)
<u>Oct.-Dec., 1947</u>					
Retailers (88)	22,182	200,935	196,146	26,971	14
Wholesalers (325)	29,070	198,250	195,725	31,595	16
Industrial Users (398)	111,470	333,917	351,244	94,144	27
Total (810)	162,722	733,102	743,115	152,710	21
<u>Oct.-Dec., 1948</u>					
Retailers	31,872	165,483	173,280	24,075	14
Wholesalers	32,320	169,642	176,458	25,504	14
Industrial Users	87,027	353,613	347,245	93,395	27
Total	151,219	688,738	696,983	142,974	21
<u>Oct.-Dec. 1948 as Percentage of Oct.-Dec. 1947</u>					
Retailers	144	82	88	89	
Wholesalers	111	86	90	81	
Industrial Users	78	106	99	99	
Total	93	94	94	94	

SUGAR INVENTORIES OF PRIVATE HOUSEHOLDS, JANUARY 1949

A survey of sugar stocks in private households was made in January 1949 by the Bureau of the Census at the request of the Department. This is the second of such surveys, one having been made in June 1948. The report of the Bureau showing information for both June 1948 and January 1949 is reproduced in full below. The qualifications mentioned by the Bureau of the Census should be taken into consideration when evaluating the information disclosed by the survey.

February 15, 1949

"SUGAR INVENTORIES OF PRIVATE HOUSEHOLDS: JANUARY 1949

"There were about 258 million pounds of sugar on hand in private households in January 1949, according to the results of a sample survey conducted by the Bureau of the Census for the Department of Agriculture. This total, which includes sugar of all kinds, is somewhat less than the 307 million pounds estimated for June 1948. A relatively large part of the reduction in sugar supplies between June and January took place in rural-farm households, where home canning during the summer months normally requires a substantial amount of extra sugar.

"Only about 23 percent of all households in January 1949 had more than 7 pounds of sugar on hand, as compared with 27 percent in June 1948. For all households, the average number of pounds was reduced from $7\frac{1}{2}$ in June to $6\frac{1}{4}$ in January. Apparently, there was a considerable reduction over this period in sugar supplies in households with relatively large amounts on hand in June. The average number of pounds for rural-farm households in January as in June was considerably larger than for rural-nonfarm and urban households.

"The results of the survey are subject to errors of response and non-response as well as sampling variability, which may be large in cases where the quantities shown are relatively small. Therefore, the smaller estimates should be used with caution as explained in the section on source and reliability of the estimates.

"The results are summarized in tables 8 and 9 below.*

"Table 8.—SUGAR SUPPLY IN PRIVATE HOUSEHOLDS: JANUARY 1949 AND JUNE 1948

Area	JANUARY 1949		JUNE 1948	
	Total (millions of pounds)	Average per household (pounds)	Total (millions of pounds)	Average per household (pounds)
United States.....	258	$6\frac{1}{4}$	307	$7\frac{1}{2}$
Urban.....	133	$5\frac{1}{4}$	149	6
Rural-nonfarm.....	56	6	66	$7\frac{1}{2}$
Rural-farm.....	69	10	92	$13\frac{1}{4}$ 1/

1/ Revised; all averages in this table are now rounded to the nearest quarter pound.

* Tables 1 and 2 in original report.

(continued)

"Table 9.—PERCENTAGE DISTRIBUTION OF HOUSEHOLDS BY SIZE OF SUGAR SUPPLY:
JANUARY 1949 AND JUNE 1948

Number of pounds of sugar	Percent of total households	
	January 1949	June 1948
Total.....	100.0	100.0
2 or less.....	26.1	24.2
3 to 7.....	51.4	48.6
8 to 12.....	15.1	16.8
13 and over.....	7.5	10.4

"DEFINITIONS OF TERMS

"Households.—The data presented here relate to private households. Rooming houses, institutions, hotels, trailer camps, and similar places are excluded.

"Urban and rural areas.—The urban and rural areas are those that were classified as urban or rural on the basis of the results of the 1940 census. All incorporated places having 2,500 or more inhabitants in 1940 were classified as urban, together with certain additional areas declared urban under special rules. All other areas were classified as rural.

"Farm and nonfarm classification.—The classification of the rural households as farm and nonfarm is based on residence at the time of the enumeration, not on whether the person was engaged in agricultural work. Thus, the rural-farm households are those living on farms at the time of the survey, in areas that were classified as rural in 1940. Rural-nonfarm households live in a wide variety of places ranging from isolated areas in the open country to unincorporated and small incorporated places adjacent to large cities.

"SOURCE AND RELIABILITY OF THE ESTIMATES

"The estimates presented here are based on data obtained in connection with the Census Bureau's monthly population sample survey, the sample consisting of about 25,000 households located in 68 areas in 42 States and the District of Columbia. The information was obtained by personal interview with one representative of each household, usually the housewife.

"Since the estimates are based on sample data, they are subject to sampling variability. For example, the sugar supply in households was estimated at 258 million pounds in January 1949. The chances are about 19 out of 20 that a complete census would have yielded a figure between 240 million and 276 million pounds. The estimated change in sugar inventories between June 1948, and January 1949, was 49 million pounds. The chances are about 19 out of 20 that complete censuses would have yielded a change between 38 million and 60 million pounds. The average number of pounds of sugar per household was estimated at 6-1/4 pounds, and the chances are about 19 out of 20 that a complete census would have yielded a figure between 5-3/4 and 6-3/4 pounds. The sampling variability of estimated percentages for both January 1949, and June 1948 is indicated by the

(continued)

following table. The chances are about 19 out of 20 that the difference between the estimated percentage and the percentage which would have been obtained from a complete census is less than the sampling variability shown below.

<u>Estimated percentage</u>	<u>Sampling variability</u>
5	0.5
10	0.8
25	1.3
50	1.5
75	1.3

"In addition to sampling variability, the estimates are subject to biases due to errors of response and to nonreporting. These biases may be particularly large in a survey such as this. Respondents' replies are not always accurate and may be influenced by such personal factors as fear of rationing, fear of disapproval if the actual number of pounds of sugar on hand were reported, and the feeling that the government has no right to ask such a personal question. The possible effect of such biases is not included in the measures of reliability shown above."

DATA ON USAGE OF SUGAR AND DEXTROSE TO BE COLLECTED

The competitive relationship between sugar and the various corn sweeteners is the subject of a study being conducted by the Sugar Branch, FMA, under authority of the Research and Marketing Act. One phase of this study is to determine statistically where and to what extent corn sweeteners compete with sugar. Data are readily available on the usage of corn sirup by types of uses but comparable data for sugar and dextrose have been lacking. For example, the only data available on the utilization of sugar are those collected in years when the Bureau of the Census made its census of Manufactures; other estimates are based on OPA sugar rationing registrations. Many of these estimates, of course, are now out of date and subject to varying degrees of errors in estimates.

In view of the inadequacy of data on usage of sugar and dextrose, the Sugar Branch proposes to initiate a system whereby primary distributors of these products would report, periodically, their deliveries by types of customers. Agreement has been reached with practically all the cane refiners, beet processors, importers of direct-consumption sugars, and manufacturers of dextrose to supply the requested information. The first reports are to cover the first quarter of 1949. Usage of sugar will be broken into the following categories:

1. Bakery and allied products, cereal and cereal products
2. Confectionery and related products
3. Ice cream and dairy products
4. Beverages
5. Canned, bottled and frozen foods, jams, jellies, preserves, etc.
6. Multiple and all other food uses
7. Non-food uses
8. Hotels, restaurants, institutions
9. Wholesale grocers, jobbers, sugar dealers
10. Retail grocers; chain stores, super markets
11. All other deliveries, including deliveries to Government agencies

In addition, the proportion of deliveries in consumer-size packages (less than 100 pounds) will be obtained. Information will be obtained for both crystalline and liquid sugar and by major geographic areas of the United States. It is expected that the initial report on this subject will be made during the summer.

SHIPMENTS OF C.C.C. SUGAR TO FOREIGN COUNTRIES

Approximately 1.7 million short tons, raw value, of C.C.C. sugar were shipped to foreign countries during the period October, 1947 - February, 1949. All but about 10 percent of this sugar was shipped by the U. S. Army to Japan, Korea, and Germany under the civilian feeding program for occupied areas. The remaining 10 percent was utilized in the U. S. Foreign Aid Program and by the Economic Cooperation Administration. Approximately 90,000 tons were shipped to Italy and Austria under the Foreign Aid Program and about 75,000 tons went to Austria under the European Recovery Program.

Germany and Japan were the principal recipients of the total amount of C.C.C. sugars shipped during the 17-month period, Germany receiving 47 percent, about 792,000 tons, and Japan receiving approximately 41 percent or 690,000 short tons.

Cuban sugar comprised 97 percent of the 1.7 million short tons of C.C.C. sugars shipped to foreign countries. The 1947-crop Cuban sugar was supplied from the C.C.C. purchase under the 1946 and 1947 Cuban Sugar Crops Purchase and Sale Contract. Of the quantity of 485,513 short tons 1947-crop sugar, 73,675 tons were in refined form and 411,838 tons were raw sugar. The other sugars were supplied from C.C.C. purchases in 1948. The 1948-crop Cuban purchases included 7,583 short tons of 1949-crop sugar substituted for 1948 sugar made available for the U. S. market in early 1949.

Table 10 Total Shipments of CCC Sugar Through February 28, 1949
(Approximate short tons, raw value)

Totals by Programs	Source				Total
	Cuba (raw & refined) 1947-crop	1948 crop	Peru (raw) 1947-48 crop	Java (direct- consumption)	
U. S. Army	485,149	993,842	38,811	16,790	1,534,592
U. S. Foreign Aid	364	90,161	-	-	90,525
E. C. A.	-	75,524	-	-	75,524
Total	<u>485,513</u>	<u>1,159,527</u>	<u>38,811</u>	<u>16,790</u>	<u>1,700,641</u>
<u>Totals by Countries</u>					
Germany	251,272	541,220	-	-	792,492
Austria	-	104,833	-	-	104,833
Italy	364	60,852	-	-	61,216
Europe	<u>251,636</u>	<u>706,905</u>	<u>-</u>	<u>-</u>	<u>958,541</u>
Japan	233,877	410,513	28,951	16,790	690,131
Korea	-	42,109	9,860	-	51,969
Asia	<u>233,877</u>	<u>452,622</u>	<u>38,811</u>	<u>16,790</u>	<u>742,100</u>
Total	<u>485,513</u>	<u>1,159,527</u>	<u>38,811</u>	<u>16,790</u>	<u>1,700,641</u>

(continued)

Table 10 (continued)

Totals by Calendar Quarters	Source				Total
	Cuba (raw & refined) 1947-crop	Peru (raw) 1948-crop	Java (direct- consumption) 1947-48 crop		
Program and Destination	October - December 1947				
U. S. Army					
Germany	69,018	-	-	-	69,018
Japan	95,388	-	-	-	95,388
Subtotal	164,406	-	-	-	164,406
U. S. Army		January - March 1948			
Germany	137,474	64,199	-	-	201,673
Japan	108,931	23,537	-	-	132,468
U. S. Foreign Aid					
Austria	-	19,435	-	-	19,435
Italy	364	18,381	-	-	18,745
Subtotal	246,769	125,552	-	-	372,321
U. S. Army		April - June 1948			
Germany	44,780	160,899	-	-	205,679
Japan	29,558	201,995	28,951	-	260,504
Korea	-	10,217	9,860	-	20,077
U. S. Foreign Aid					
Austria	-	9,874	-	-	9,874
Italy	-	42,471	-	-	42,471
Subtotal	74,338	425,456	38,811	-	538,605
U. S. Army		July - September 1948			
Germany	-	273,594	-	-	273,594
Japan	-	75,471	-	16,790	92,261
Korea	-	10,379	-	-	10,379
E. C. A.					
Austria	-	21,528	-	-	21,528
Subtotal	-	380,972	-	16,790	397,762
U. S. Army		October - December 1948			
Germany	-	10,894	-	-	10,894
Japan	-	109,510	-	-	109,510
Korea	-	10,528	-	-	10,528
E. C. A.					
Austria	-	32,826	-	-	32,826
Subtotal	-	163,758	-	-	163,758
U. S. Army		January - February 1949			
Germany	-	31,634	-	-	31,634
Korea	-	10,985	-	-	10,985
E. C. A.					
Austria	-	21,170	-	-	21,170
Subtotal	-	63,789	-	-	63,789
TOTAL	485,513	1,159,527	38,811	16,790	1,700,641

SUGAR ACT CONDITIONAL PAYMENTSPayments to Sugar Beet Producers.

Payments to sugar beet producers have been made earlier than in other years with respect to the 1948 crop in certain western states. Primarily this has resulted from the change in the determination of the basis for payment from the actual percentage of sugar content of the current crop of sugar beets in "cossette test" districts to the average percentage of content of the previous seven crops. In "individual test" areas, Sugar Act payments may be computed as soon as the processor submits reports on the marketings of growers showing the tonnage of beets and percentages of sugar content. These reports may be submitted periodically during the processing of beets. Such marketing reports could not be completed for any "cossette test" area under the former determination until all the beets had been processed. Consequently, when the processing continued for a considerable period after the beets had been delivered, the delay in ascertaining the sugar content of the crop retarded the work of completing Sugar Act payments. To accelerate payments, the revised determination provides that in the "cossette test" areas comprising the districts for the factories located in Colorado, Idaho, Montana, Oregon, Utah, Washington, and Wyoming the payments shall be based on the weighted average percentage of sugar content of the preceding seven crops, rather than on the sugar content of the current crop, as formerly. The change is limited in applicability to these districts primarily because the factories in these western states generally operate for longer periods than the factories in the states to the eastward. (continued)

The percentage of payments certified in the states affected by the change are shown below as of March 1, 1949, and for the same date a year earlier. Colorado has not been included because it has both "cossette test" and "individual test" areas.

State	Percentage Certified	Percentage Certified
	Under 1948 Program as of March 1, 1949	Under 1947 Program as of March 1, 1948
Idaho	83.6	13.4
Montana	97.0	78.1
Oregon	57.1	0.3
Utah	66.7	36.8
Washington	90.9	0.0
Wyoming	98.0	75.5

In the beet states as a whole there has been a speed-up of payments so that approximately 80 percent of the 1948-crop payments had been certified by March 1 as compared to 70 percent on that date last year.

1947-48 Puerto Rican Sugarcane Program Payments

Sugar Act payments under the 1947-48 Puerto Rican Sugarcane Program were 92 percent complete on November 1, 1948. Under the previous program only about 30 percent of the payments had been made by this date. The improvement in getting payments to producers resulted in total payments of approximately \$14,000,000 by November 1, 1948, whereas by that time a year earlier only \$3,000,000 had been paid. It was not until about March 1, 1948, that payments reached the \$14,000,000 mark under the 1946-47 program. Total conditional payments in Puerto Rico average 15 to 16 million dollars annually.

The acceleration of payments under the 1947-48 Puerto Rican Program was accomplished primarily through a cooperative arrangement with the General Accounting Office. A temporary pre-audit office was established by that agency in San Juan, Puerto Rico, to audit applications submitted under the program. After approval of the applications by the GAO, checks were issued in Puerto Rico by the U. S. Treasury Department. Both the pre-audit and issuance of checks in Puerto Rico were a departure from the previous method which required the transmittal of applications to the mainland for pre-audit and issuance of checks. It is expected that the new arrangement will be continued for the current program.

MOLASSES AND SIRUP PRODUCTION BY
PRIMARY DISTRIBUTORS OF SUGAR, 1948

1948 is the first year for which data relative to the production of molasses and sirups by all primary distributors of sugar in the continental United States are available. The production of such molasses and sirup by months, and by types of primary distributors of sugar, is shown in the following table.

Table 11 PRODUCTION OF MOLASSES AND SIRUPS BY PRIMARY DISTRIBUTORS
OF SUGAR DURING 1948, BY MONTHS 1/
(gallons)

	<u>Refiners' sirup</u>	<u>Refiners' blackstrap</u>	<u>Sugarcane molasses (other than blackstrap)</u>	<u>Sugarcane blackstrap</u>	<u>Beet Molasses 2/ (final)</u>	<u>Total</u>
Jan	261,447	2,205,957	457,974	3,069,196	2,852,429	8,847,003
Feb	336,171	2,050,554	0	1,248,426	1,324,768	4,959,919
Mar	371,235	2,355,915	0	1,242,793	0	3,969,943
1st Qtr.	<u>968,853</u>	<u>6,612,426</u>	<u>457,974</u>	<u>5,560,415</u>	<u>4,177,197</u>	<u>17,776,865</u>
Apr	362,460	2,092,423	0	937,460	0	3,392,343
May	394,700	2,409,876	0	0	759,960	3,564,536
Jun	385,882	2,959,485	0	0	1,582,159	4,927,526
2nd Qtr.	<u>1,143,042</u>	<u>7,461,784</u>	<u>0</u>	<u>937,460</u>	<u>2,342,119</u>	<u>11,884,405</u>
Jul	280,924	3,306,612	0	0	1,602,477	5,190,013
Aug	274,113	3,585,927	0	0	431,275	4,291,315
Sept	318,934	3,252,991	0	0	3,106,200	6,679,125
3rd Qtr.	<u>874,971</u>	<u>10,145,530</u>	<u>0</u>	<u>0</u>	<u>5,139,952</u>	<u>16,160,453</u>
Oct	354,133	2,850,067	1,202,407	2,800,138	8,715,241	15,921,986
Nov	432,235	2,478,800	1,206,716	14,118,130	11,725,928	29,961,809
Dec	333,472	2,331,715	1,306,257	13,498,321	10,232,184	27,701,949
4th Qtr.	<u>1,119,840</u>	<u>7,660,582</u>	<u>3,715,380</u>	<u>30,416,589</u>	<u>30,673,353</u>	<u>73,585,744</u>
TOTAL	4,106,706	31,880,322	4,173,354	36,914,464	42,332,621	119,407,467

1/ Data for first three months as shown in Sugar Reports No. 2 have been revised in this table.

2/ Reported in tons, converted on basis of 11.75 pounds per gallon.

NOTE: Does not include sugarcane syrups produced by mainland cane sugar mills because only a relatively small proportion of these syrups normally are produced by such mills. The bulk of the production of sugarcane syrups normally is by plants which are designed excessively for syrup production. These plants include a few fairly large ones in Louisiana as well as thousands of small plantation-type plants scattered throughout the southern parts of all the Gulf States.

THE HISTORY OF THE
CITY OF BOSTON

FROM THE FIRST SETTLEMENT TO THE PRESENT TIME
BY SAMUEL JOHNSON

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